Algebra 1A Name_____ ID: 1

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{10}{x} = \frac{2}{7}$

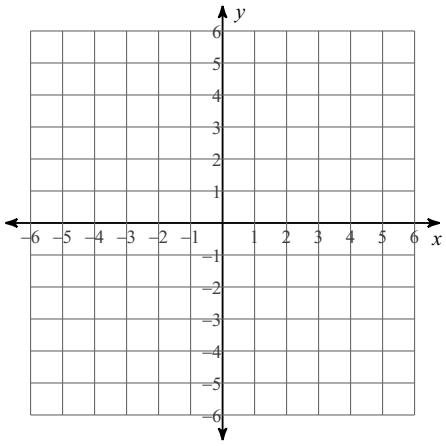
2) $\frac{m}{8} = \frac{5}{7}$

3) $\frac{9}{2} = \frac{m+1}{10}$

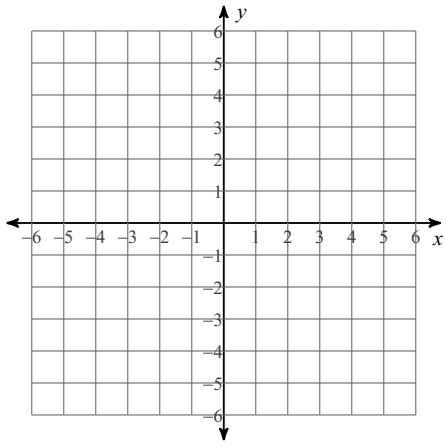
4) $\frac{b-10}{9} = \frac{9}{6}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

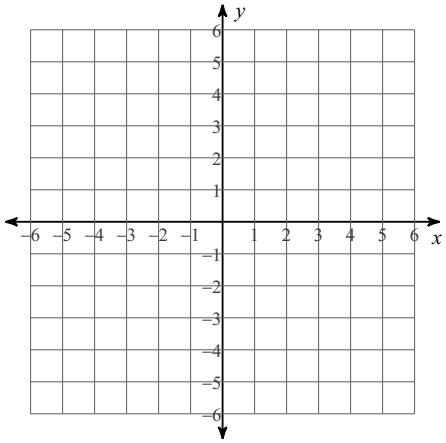
5) $y = -x + 2$



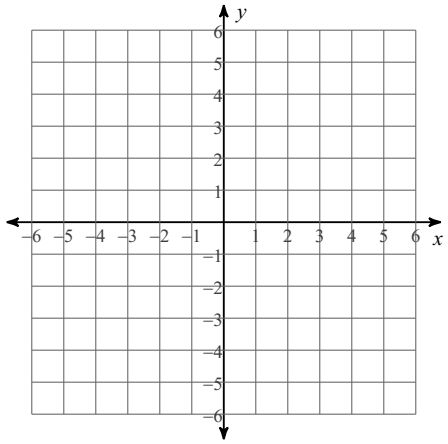
6) $y = x + 5$



7) $y = -\frac{1}{3}x + 5$

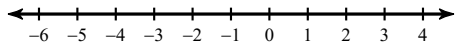


8) $y = 3x + 4$

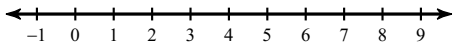


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

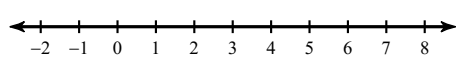
9) $7 + 7n \geq -7(n + 7)$



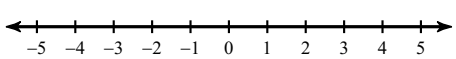
10) $2(3 + 5n) \leq 16 + 8n$



11) $3 - 7(8 - v) < -7v - 39$

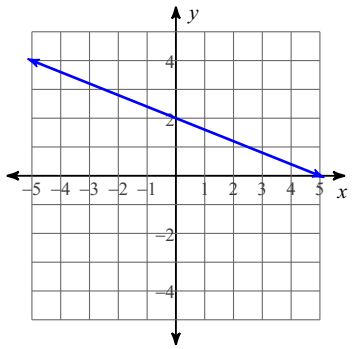


12) $20 + 7a < -4(5a - 5)$



Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



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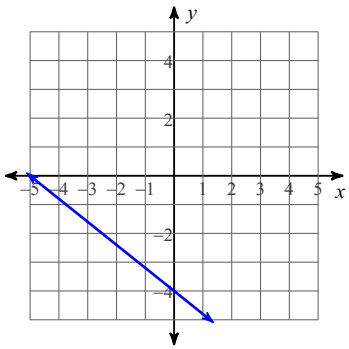


Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = –9, y-intercept = –4

16) Slope = $\frac{4}{3}$, y-intercept = 1

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(1, 1)$, slope = $-\frac{3}{4}$

18) through: $(5, -2)$, slope = $-\frac{6}{5}$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(3, -5)$ and $(-2, 2)$

20) through: $(1, 2)$ and $(1, -3)$

Answers to COVID-19 Packet #2 (ID: 1)

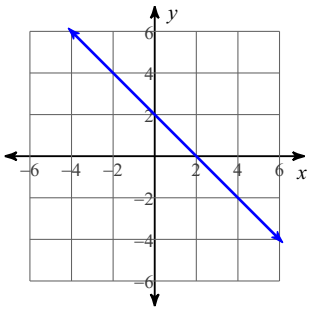
1) $\{35\}$

2) $\{5.71\}$

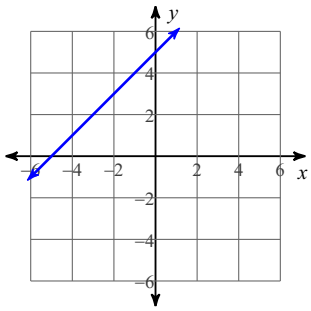
3) $\{44\}$

4) $\{23.5\}$

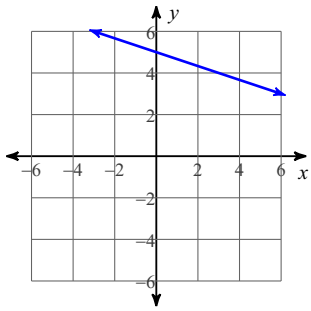
5)



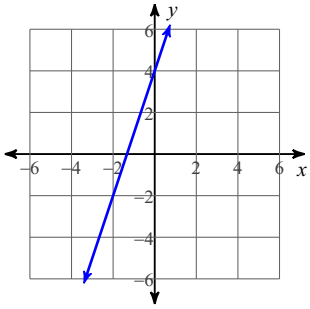
6)



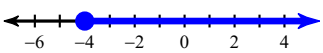
7)



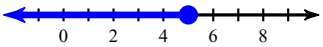
8)



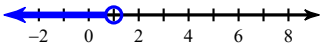
9) $n \geq -4$:



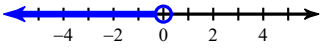
10) $n \leq 5$:



11) $v < 1$:



12) $a < 0$:



13) $y = -\frac{2}{5}x + 2$

14) $y = -\frac{4}{5}x - 4$

15) $y = -9x - 4$

16) $y = \frac{4}{3}x + 1$

17) $y = -\frac{3}{4}x + \frac{7}{4}$

18) $y = -\frac{6}{5}x + 4$

19) $y = -\frac{7}{5}x - \frac{4}{5}$

20) $x = 1$

Algebra 1A Name_____ ID: 2

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{a}{5} = \frac{8}{3}$

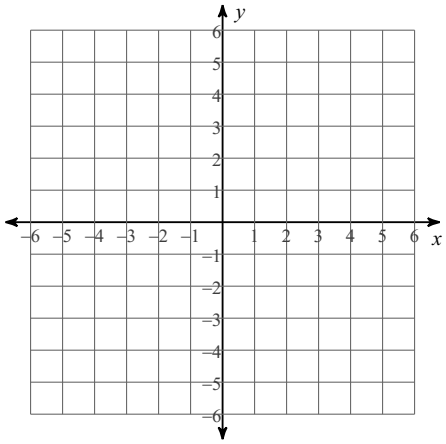
2) $\frac{k}{2} = \frac{9}{6}$

3) $\frac{9}{6} = \frac{x-3}{8}$

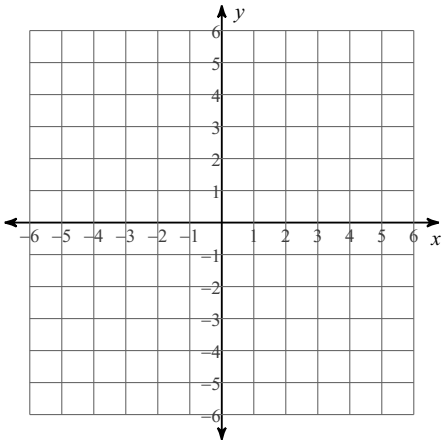
4) $\frac{x-5}{4} = \frac{4}{9}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

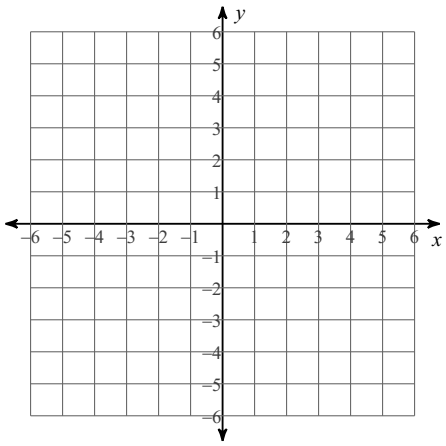
5) $y = -\frac{7}{2}x + 4$



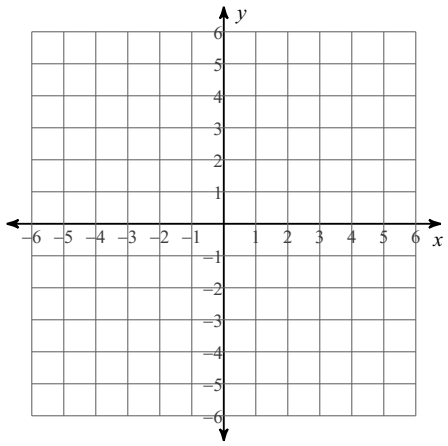
6) $y = 3x + 5$



7) $y = -\frac{3}{2}x + 5$

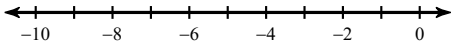


8) $y = -\frac{4}{3}x - 5$

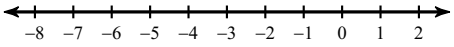


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

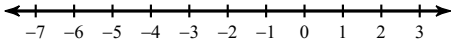
9) $-n - 38 > -5(2 - n) + 8$



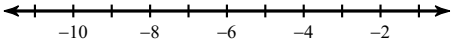
10) $-3(2a + 7) \leq -8a - 21$



11) $-4(6x - 5) > 20 + 2x$

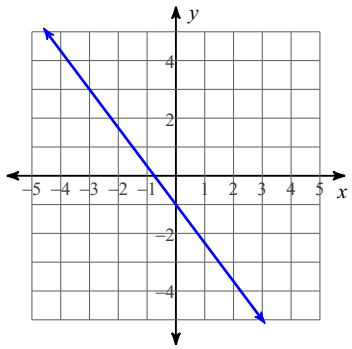


12) $8v - 40 < -8 + 7(v - 5)$

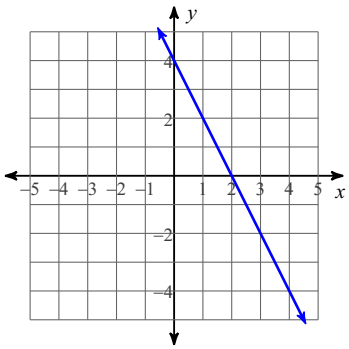


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = 1, y-intercept = –5

16) Slope = –1, y-intercept = –2

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-4, -2)$, slope $= \frac{1}{2}$

18) through: $(-5, -5)$, slope $= \frac{8}{3}$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(4, 0)$ and $(-4, 1)$

20) through: $(1, -3)$ and $(-2, 0)$

Answers to COVID-19 Packet #2 (ID: 2)

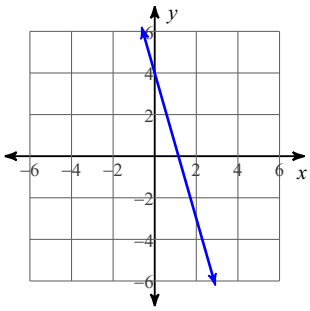
1) $\{13.33\}$

2) $\{3\}$

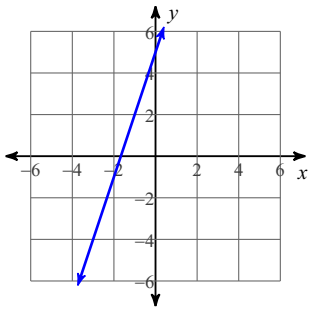
3) $\{15\}$

4) $\{6.78\}$

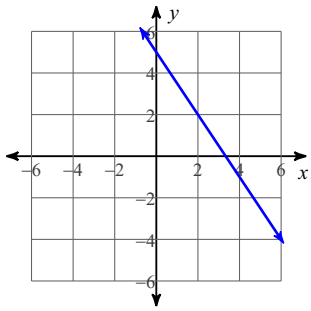
5)



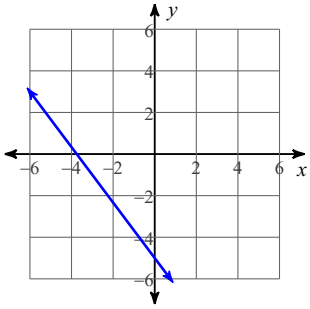
6)



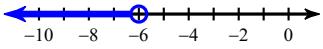
7)



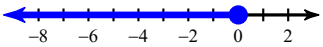
8)



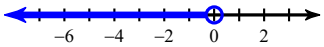
9) $n < -6$:



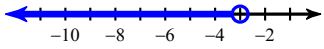
10) $a \leq 0$:



11) $x < 0$:



12) $v < -3$:



13) $y = -\frac{4}{3}x - 1$

14) $y = -2x + 4$

15) $y = x - 5$

16) $y = -x - 2$

17) $y = \frac{1}{2}x$

18) $y = \frac{8}{3}x + \frac{25}{3}$

19) $y = -\frac{1}{8}x + \frac{1}{2}$

20) $y = -x - 2$

Algebra 1A Name_____ ID: 3

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{8}{4} = \frac{10}{m}$

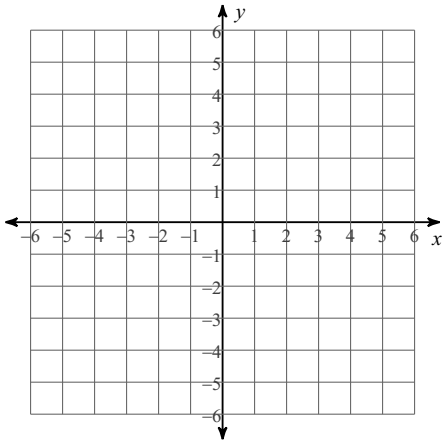
2) $\frac{8}{9} = \frac{r}{3}$

3) $\frac{3}{10} = \frac{n+9}{4}$

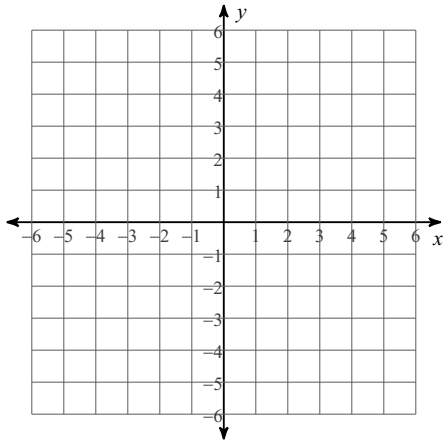
4) $\frac{4}{5} = \frac{k-5}{7}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

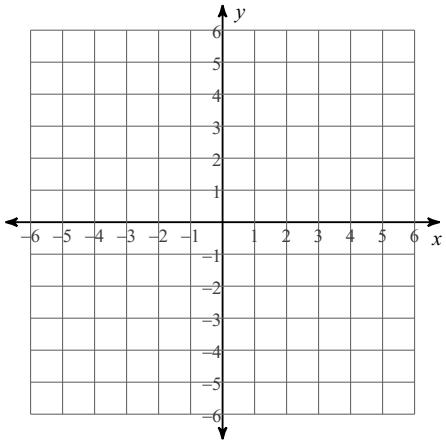
5) $y = -\frac{1}{2}x - 3$



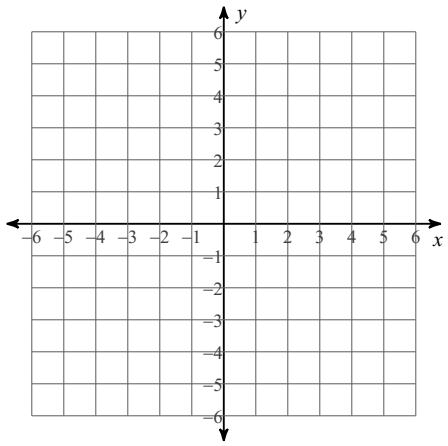
6) $y = -\frac{7}{5}x + 2$



7) $x = -5$

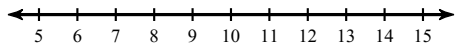


8) $y = -\frac{5}{2}x + 4$

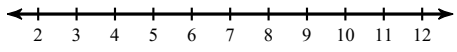


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

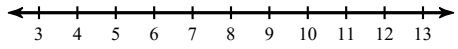
9) $1 + 7x < -6x - 7(1 - 2x)$



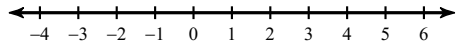
10) $-8 - 2n \leq -4(8 - n) - 2n$



11) $-31 - 5v \geq -7 - (8 + 7v)$

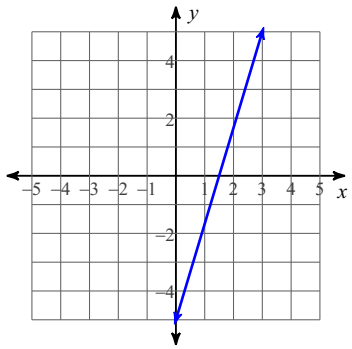


12) $2(-5x + 2) \geq -11 - 5x$

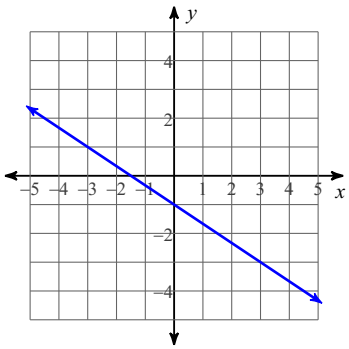


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = 3, y-intercept = 3

16) Slope = –3, y-intercept = 2

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-1, -4)$, slope = 2

18) through: $(-3, -4)$, slope = $\frac{5}{3}$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(-5, 4)$ and $(0, -3)$

20) through: $(-4, 0)$ and $(2, -4)$

Answers to COVID-19 Packet #2 (ID: 3)

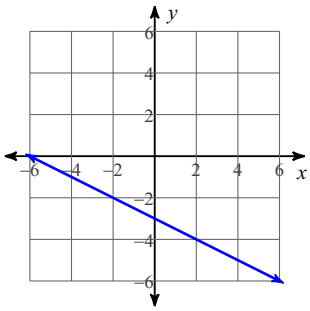
1) $\{5\}$

2) $\{2.67\}$

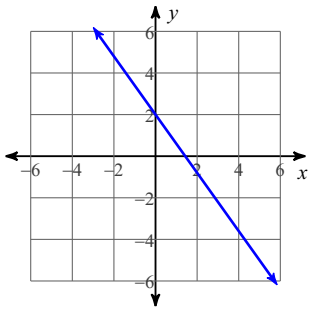
3) $\{-7.8\}$

4) $\{10.6\}$

5)



6)



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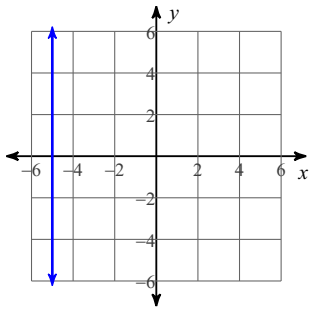

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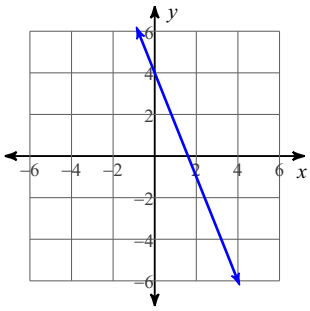
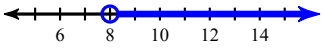
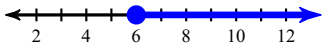


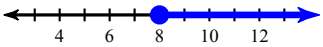
9) $x > 8$:



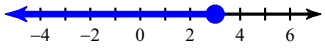
10) $n \geq 6$:



11) $v \geq 8$:



12) $x \leq 3$:



13) $y = \frac{10}{3}x - 5$

14) $y = -\frac{2}{3}x - 1$

15) $y = 3x + 3$

16) $y = -3x + 2$

17) $y = 2x - 2$

18) $y = \frac{5}{3}x + 1$

19) $y = -\frac{7}{5}x - 3$

20) $y = -\frac{2}{3}x - \frac{8}{3}$

Algebra 1A Name_____ ID: 4

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{2a}{9} = \frac{7}{6}$

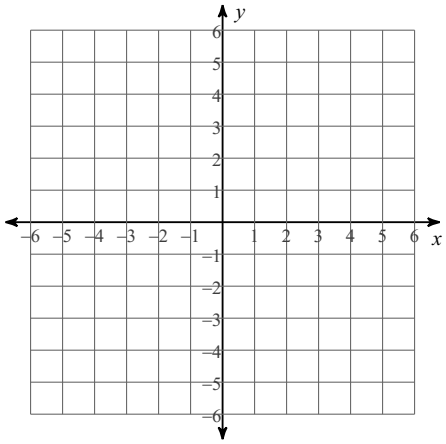
2) $\frac{6}{5} = \frac{5}{p}$

3) $\frac{k-9}{7} = \frac{10}{3}$

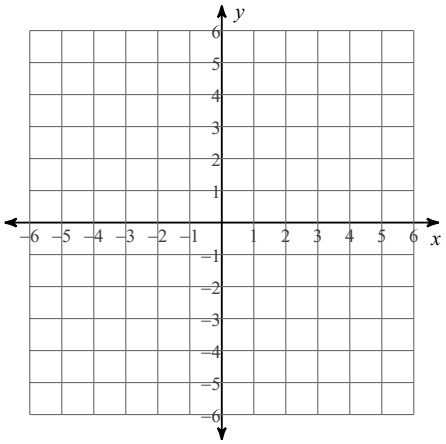
4) $\frac{n-1}{5} = \frac{6}{8}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

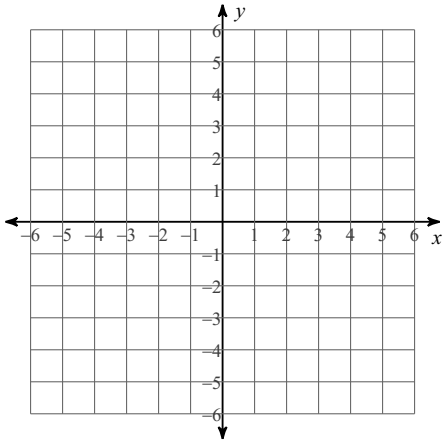
5) $y = -\frac{5}{2}x - 2$



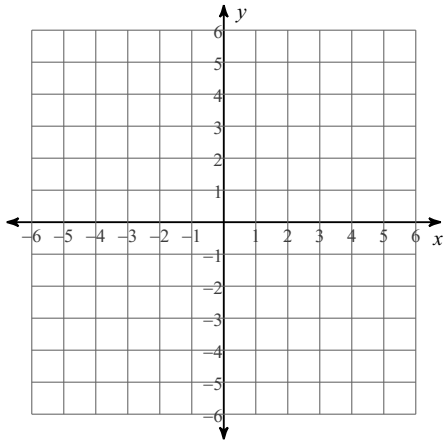
6) $y = x - 3$



7) $y = -\frac{5}{3}x$

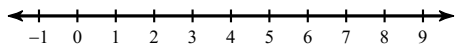


8) $y = -10x + 5$

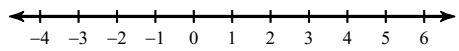


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

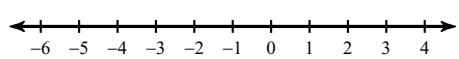
9) $-27 - 8x \geq -3(5x + 2)$



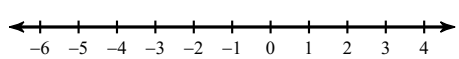
10) $-3x < 3(x - 2)$



11) $-4 + 3v \geq -7(-4 - 5v)$

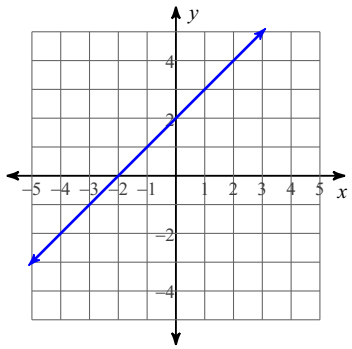


12) $-7x - 8(1 + 2x) < -3x - 8$

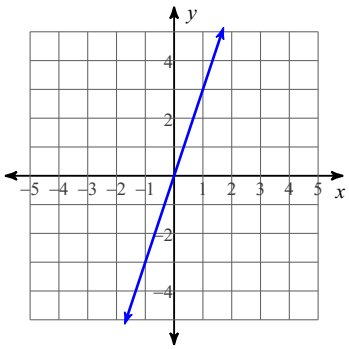


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope $= -\frac{5}{4}$, y-intercept $= -3$

16) Slope $= \frac{5}{2}$, y-intercept $= -3$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-5, -5)$, slope $= 1$

18) through: $(-5, -4)$, slope $= \frac{4}{5}$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(2, -4)$ and $(2, -5)$

20) through: $(1, 2)$ and $(-3, -4)$

Answers to COVID-19 Packet #2 (ID: 4)

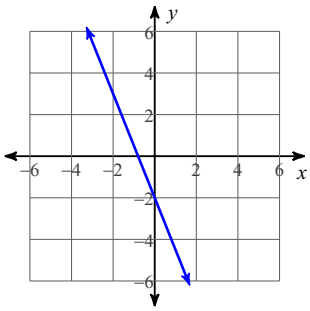
1) $\{5.25\}$

2) $\{4.17\}$

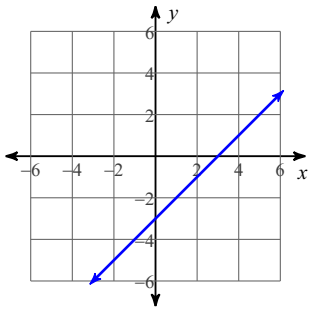
3) $\{32.33\}$

4) $\{4.75\}$

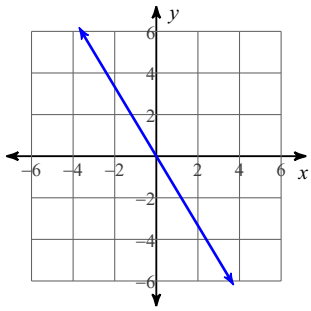
5)



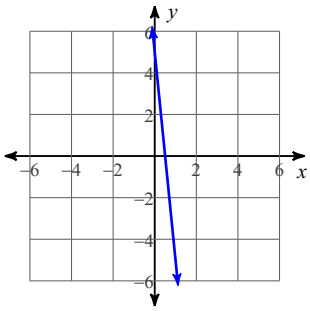
6)



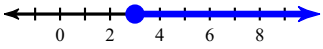
7)



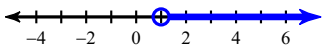
8)



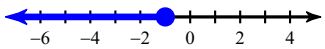
9) $x \geq 3$:



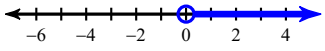
10) $x > 1$:



11) $v \leq -1$:



12) $x > 0$:



13) $y = x + 2$

14) $y = 3x$

15) $y = -\frac{5}{4}x - 3$

16) $y = \frac{5}{2}x - 3$

17) $y = x$

18) $y = \frac{4}{5}x$

19) $x = 2$

20) $y = \frac{3}{2}x + \frac{1}{2}$

Algebra 1A Name_____ ID: 5

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{6}{x} = \frac{10}{5}$

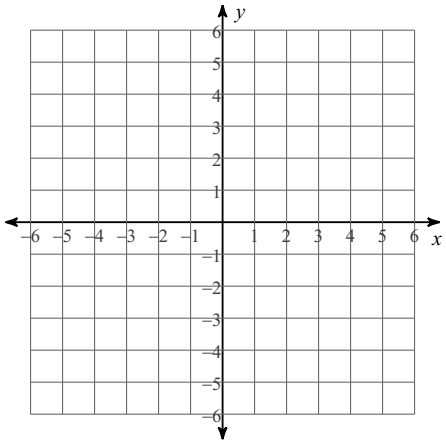
2) $\frac{8}{r} = \frac{2}{5}$

3) $\frac{7}{x+3} = \frac{3}{2}$

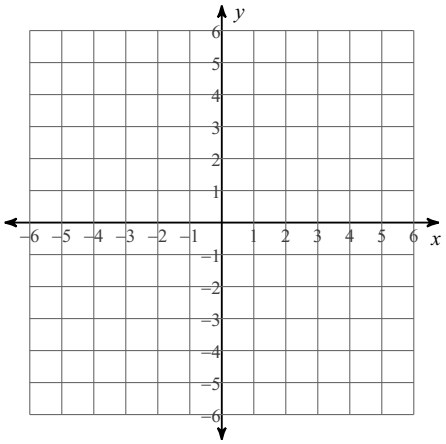
4) $\frac{6}{10} = \frac{4}{x+5}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

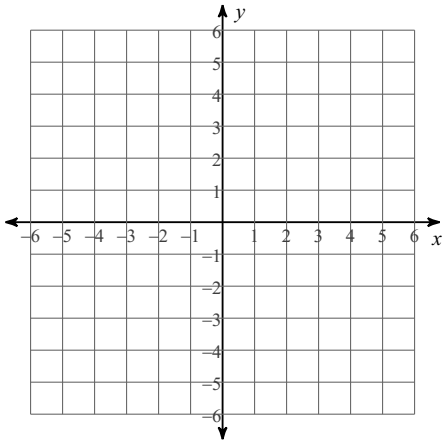
5) $y = \frac{1}{4}x + 3$



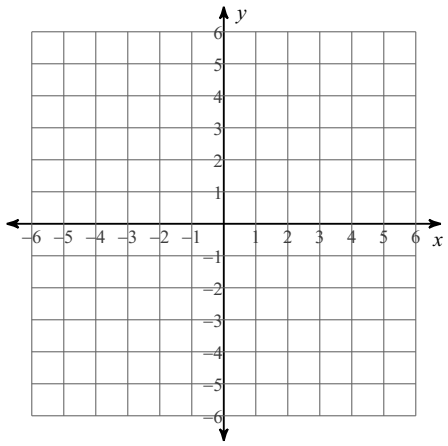
6) $y = -5$



7) $x = -4$

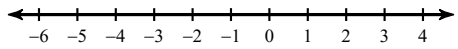


8) $y = \frac{3}{4}x + 2$

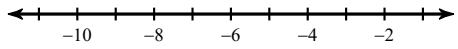


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

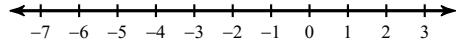
9) $1 - 8m > 8(1 - 8m) - 7$



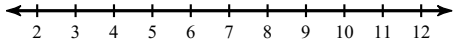
10) $-4(-3r - 4) \leq -40 + 4r$



11) $-(1 - 4b) \geq -1 + 4b$

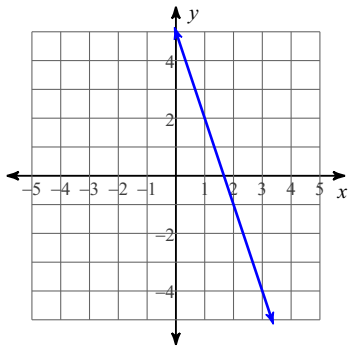


12) $-3(8 - 5r) \geq 32 + 7r$

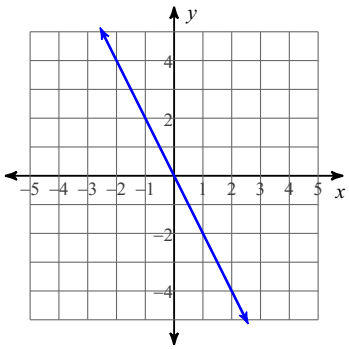


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = $\frac{5}{3}$, y-intercept = 4

16) Slope = $-\frac{2}{3}$, y-intercept = –3

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(2, 1)$, slope = –2

18) through: $(-5, 3)$, slope = undefined

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(0, -4)$ and $(-3, 3)$

20) through: $(4, -5)$ and $(5, 1)$

Answers to COVID-19 Packet #2 (ID: 5)

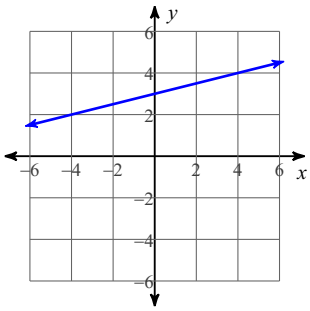
1) $\{3\}$

2) $\{20\}$

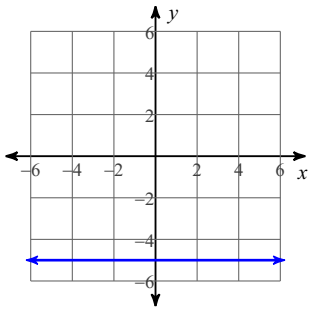
3) $\{1.67\}$

4) $\{1.67\}$

5)



6)



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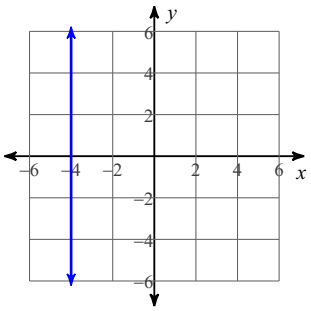
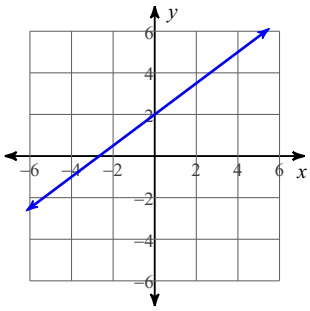
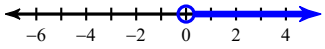


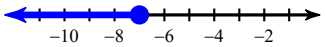
8)



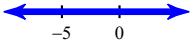
9) $m > 0$:



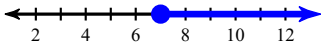
10) $r \le -7$:



11) { All real numbers. } :



12) $r \ge 7$:



13) $y = -3x + 5$

14) $y = -2x$

15) $y = \frac{5}{3}x + 4$

16) $y = -\frac{2}{3}x - 3$

17) $y = -2x + 5$

18) $x = -5$

19) $y = -\frac{7}{3}x - 4$

20) $y = 6x - 29$

Algebra 1A Name_____ ID: 6

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{a}{3} = \frac{5}{10}$

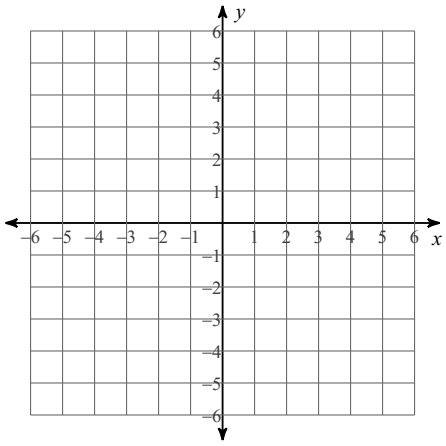
2) $\frac{5}{k} = \frac{7}{4}$

3) $\frac{8}{7} = \frac{m+5}{8}$

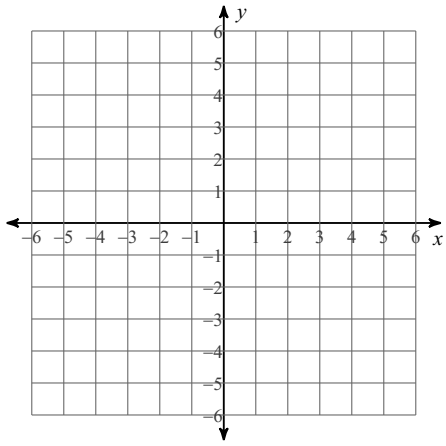
4) $\frac{10}{r-9} = \frac{6}{7}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

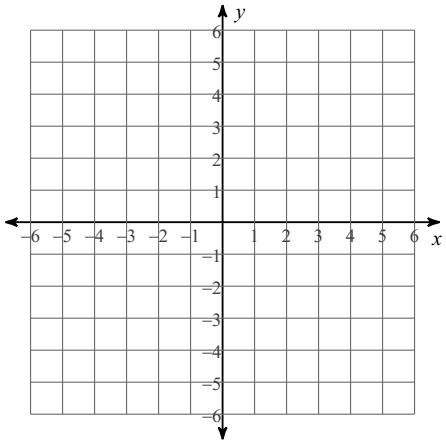
5) $y = -2x + 4$



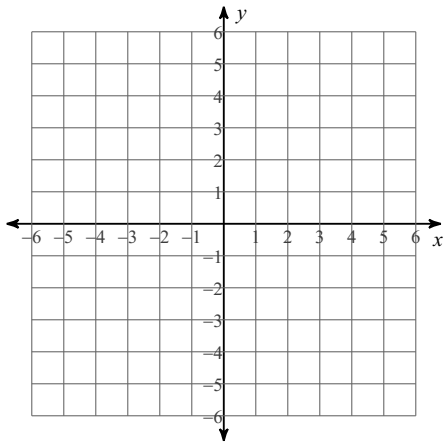
6) $y = -x + 1$



7) $y = 2x + 3$

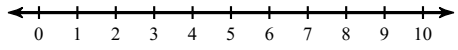


8) $y = \frac{7}{4}x - 3$

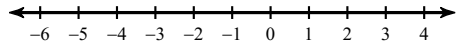


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

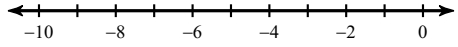
9) $4 - 4(4b + 5) < -40 - 8b$



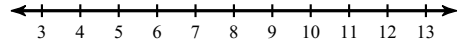
10) $-31 + 5n < 4n + 8(2 + 6n)$



11) $-2(3 - 6v) \geq -v - 32$

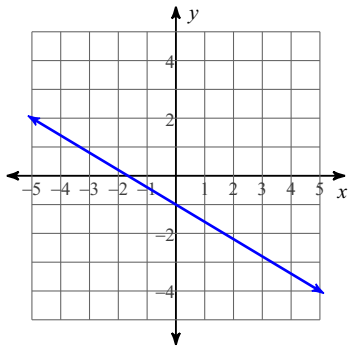


12) $-7v - 18 \leq -6(-8 + 3v)$

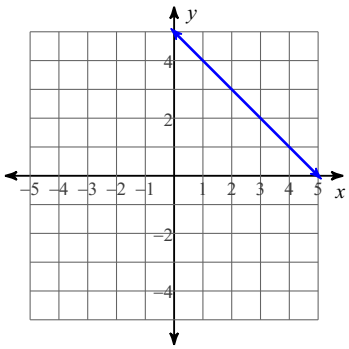


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = $-\frac{2}{5}$, y-intercept = 1

16) Slope = 0, y-intercept = –5

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-2, -5)$, slope = $\frac{1}{2}$

18) through: $(1, 5)$, slope = $-\frac{10}{3}$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(2, 2)$ and $(2, 5)$

20) through: $(-3, 4)$ and $(5, -1)$

Answers to COVID-19 Packet #2 (ID: 6)

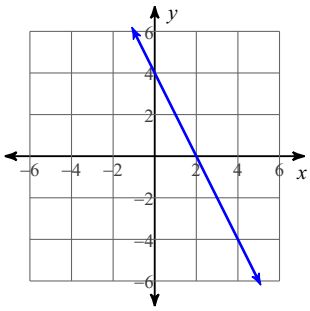
1) $\{1.5\}$

2) $\{2.86\}$

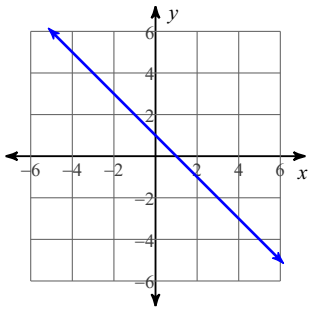
3) $\{4.14\}$

4) $\{20.67\}$

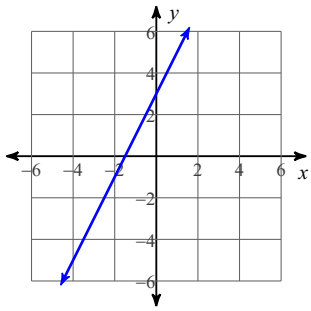
5)



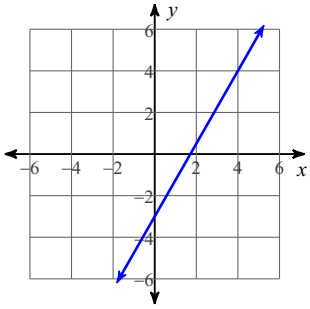
6)



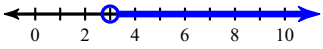
7)



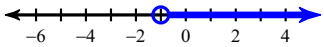
8)



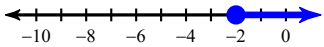
9) $b > 3$:



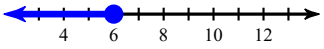
10) $n > -1$:



11) $v \geq -2$:



12) $v \leq 6$:



13) $y = -\frac{3}{5}x - 1$

14) $y = -x + 5$

15) $y = -\frac{2}{5}x + 1$

16) $y = -5$

17) $y = \frac{1}{2}x - 4$

18) $y = -\frac{10}{3}x + \frac{25}{3}$

19) $x = 2$

20) $y = -\frac{5}{8}x + \frac{17}{8}$

Algebra 1A Name_____ ID: 7

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{9}{x} = \frac{3}{8}$

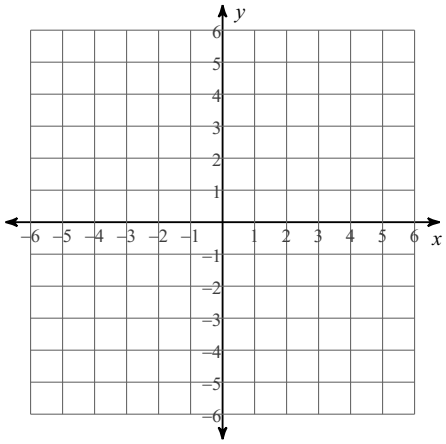
2) $\frac{4}{3} = \frac{n}{5}$

3) $\frac{8}{6} = \frac{7}{n+7}$

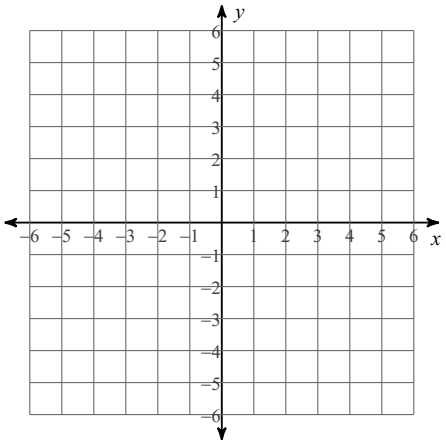
4) $\frac{9}{a+1} = \frac{8}{9}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

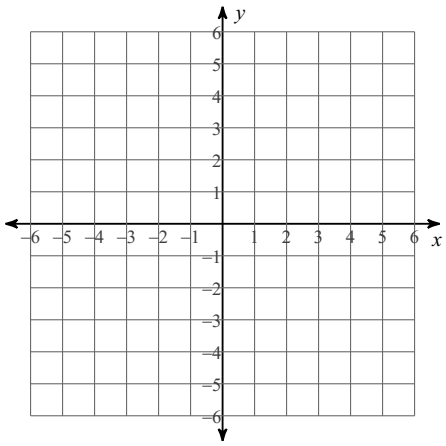
5) $y = \frac{1}{5}x$



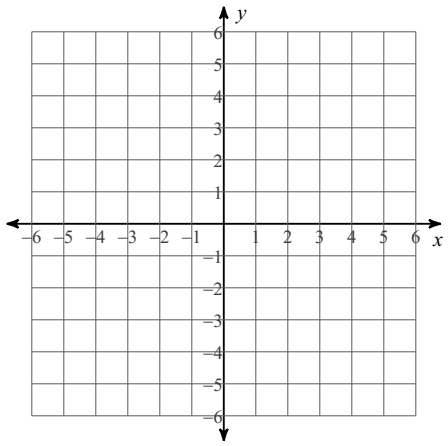
6) $y = 0$



7) $y = \frac{7}{3}x + 5$

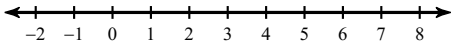


8) $y = \frac{2}{5}x - 2$

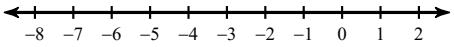


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

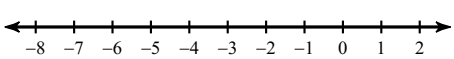
9) $-5(x + 8) + 4 < -30 - 7x$



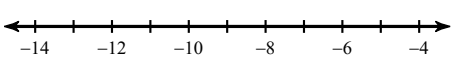
10) $6n - 33 > 3(8n + 1)$



11) $-18 - 2b > 6(8b - 3)$

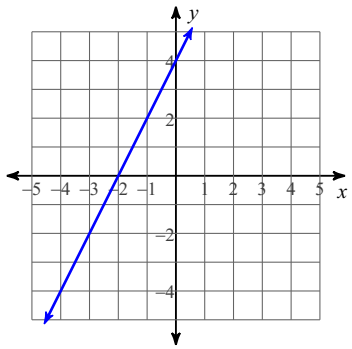


12) $16 + 7x \geq -3 - 2(1 - 2x)$

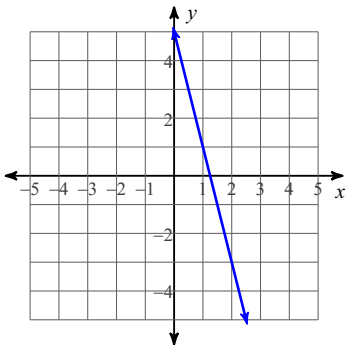


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = $\frac{9}{2}$, y-intercept = –4

16) Slope = 3, y-intercept = 2

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-5, 0)$, slope = $-\frac{2}{5}$

18) through: $(4, 3)$, slope = $\frac{1}{4}$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(-5, -2)$ and $(3, 4)$

20) through: $(3, -3)$ and $(0, 2)$

Answers to COVID-19 Packet #2 (ID: 7)

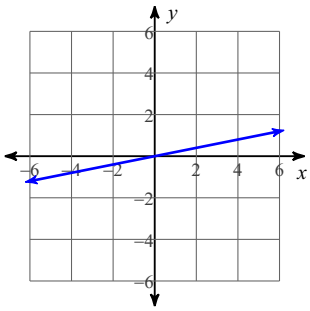
1) $\{24\}$

2) $\{6.67\}$

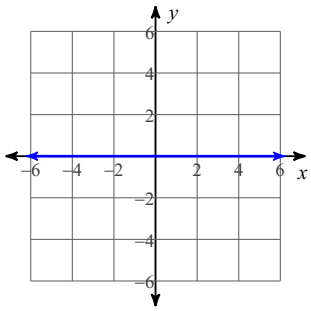
3) $\{-1.75\}$

4) $\{9.13\}$

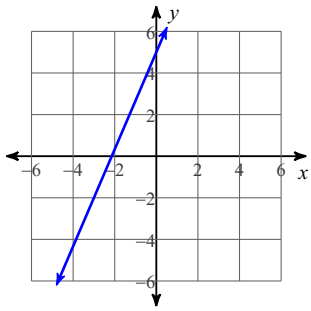
5)



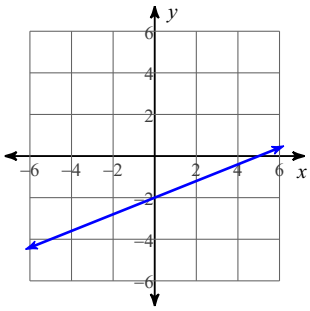
6)



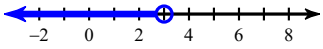
7)



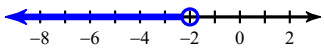
8)



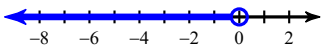
9) $x < 3$:



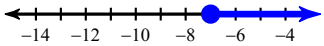
10) $n < -2$:



11) $b < 0$:



12) $x \geq -7$:



13) $y = 2x + 4$

14) $y = -4x + 5$

15) $y = \frac{9}{2}x - 4$

16) $y = 3x + 2$

17) $y = -\frac{2}{5}x - 2$

18) $y = \frac{1}{4}x + 2$

19) $y = \frac{3}{4}x + \frac{7}{4}$

20) $y = -\frac{5}{3}x + 2$

Algebra 1A Name_____ ID: 8

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{6}{n} = \frac{8}{5}$

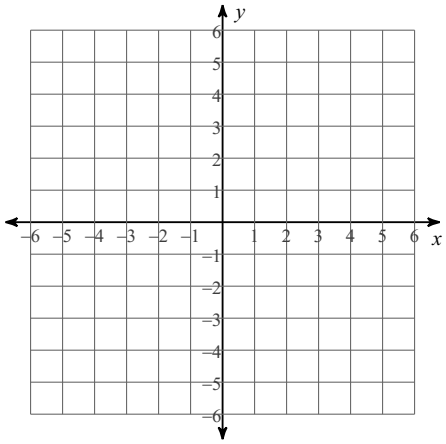
2) $\frac{2}{9} = \frac{7}{v}$

3) $\frac{r+6}{4} = \frac{10}{7}$

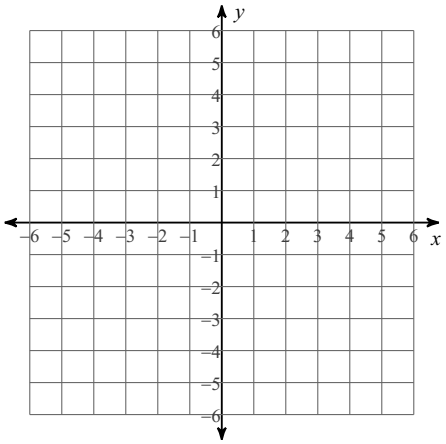
4) $\frac{5}{6} = \frac{x-5}{10}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

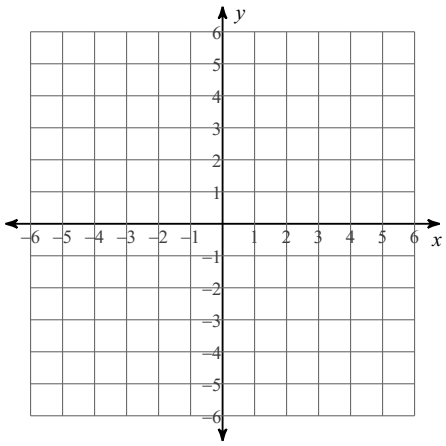
5) $y = -\frac{2}{5}x - 3$



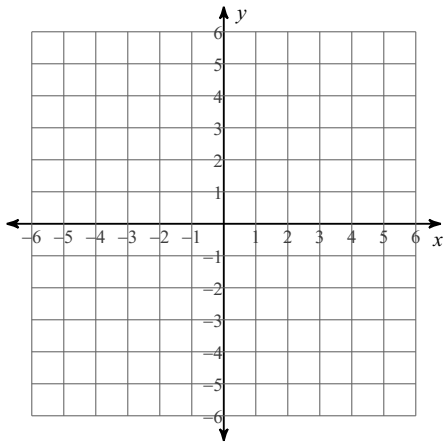
6) $y = 2x + 1$



7) $y = -\frac{1}{5}x + 2$

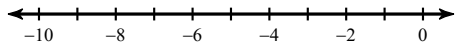


8) $y = -\frac{1}{2}x + 5$

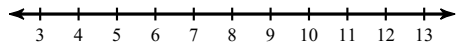


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

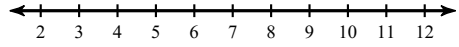
9) $-a + 27 \geq -4(3a + 7)$



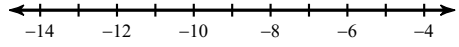
10) $-k + 4(-3 + k) \leq 7k - 36$



11) $-22 - 6x < -4x - 6(2x - 8)$

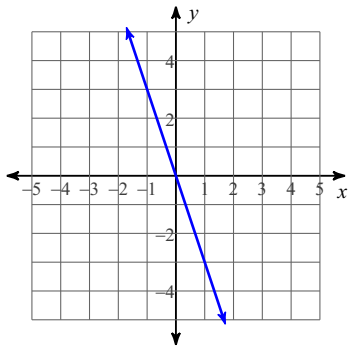


12) $3(x - 3) + 4x \geq -15 + 6x$

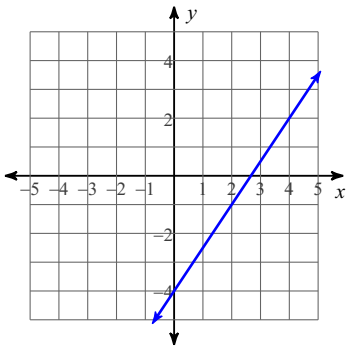


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope $= -\frac{1}{3}$, y-intercept $= 4$

16) Slope $= \frac{3}{4}$, y-intercept $= -1$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-4, 3)$, slope $= -\frac{1}{4}$

18) through: $(2, 3)$, slope $= 4$

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(-1, -5)$ and $(3, -2)$

20) through: $(-1, -4)$ and $(5, 4)$

Answers to COVID-19 Packet #2 (ID: 8)

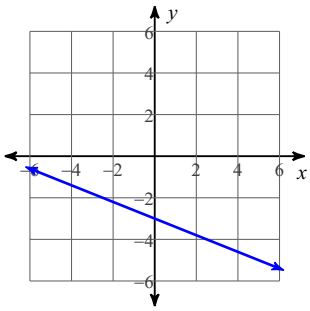
1) $\{3.75\}$

2) $\{31.5\}$

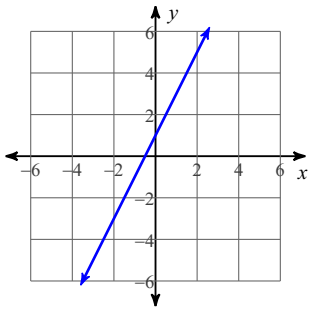
3) $\{-0.29\}$

4) $\{13.33\}$

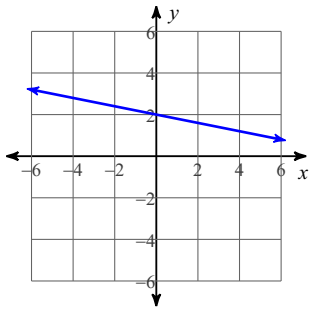
5)



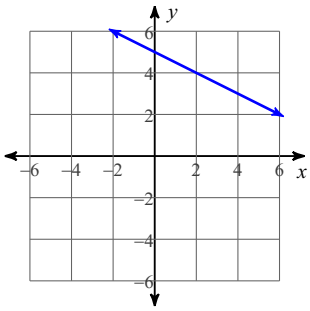
6)



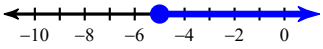
7)



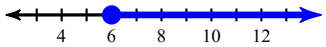
8)



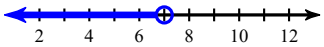
9) $a \geq -5$:



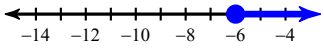
10) $k \geq 6$:



11) $x < 7$:



12) $x \geq -6$:



13) $y = -3x$

14) $y = \frac{3}{2}x - 4$

15) $y = -\frac{1}{3}x + 4$

16) $y = \frac{3}{4}x - 1$

17) $y = -\frac{1}{4}x + 2$

18) $y = 4x - 5$

19) $y = \frac{3}{4}x - \frac{17}{4}$

20) $y = \frac{4}{3}x - \frac{8}{3}$

Algebra 1A Name_____ ID: 9

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{4}{x} = \frac{8}{5}$

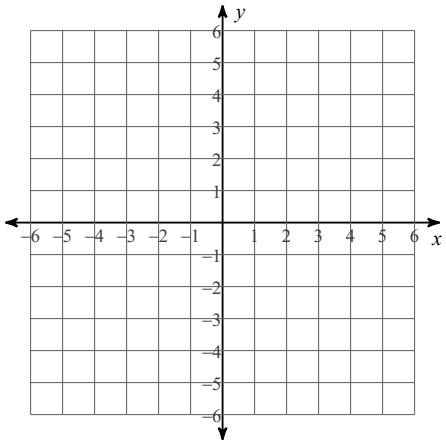
2) $\frac{5}{8} = \frac{6}{k}$

3) $\frac{x-1}{4} = \frac{3}{6}$

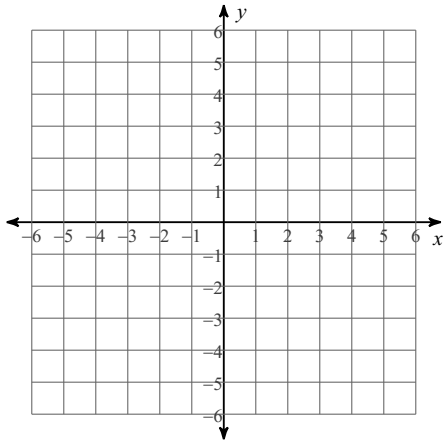
4) $\frac{9}{3} = \frac{n+6}{8}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

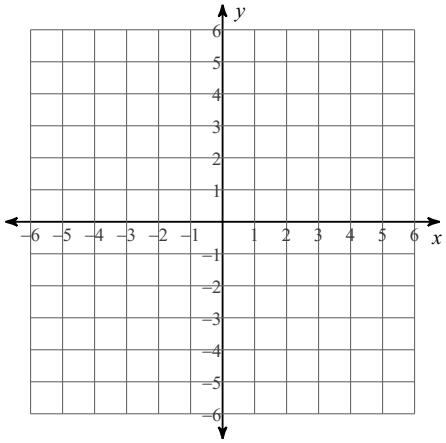
5) $y = 3x - 1$



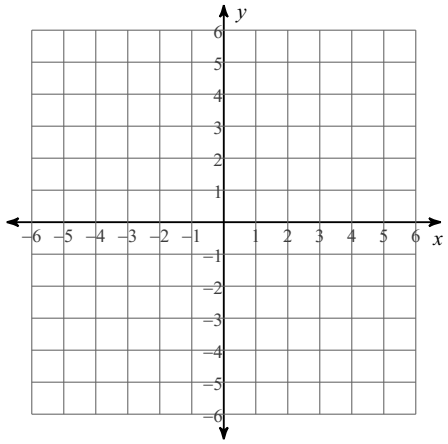
6) $y = -\frac{7}{2}x + 2$



7) $y = -\frac{8}{5}x - 3$

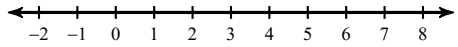


8) $y = x + 3$

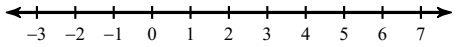


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

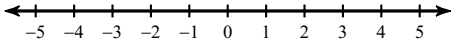
9) $-4 + 3(3k - 5) > 4k + 11$



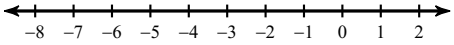
10) $3x - 14 < -(x - 6)$



11) $4(p + 6) > 12 + 8p$

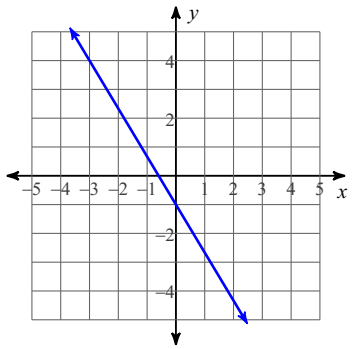


12) $-4x - 4(4 + 8x) < 25 + 5x$

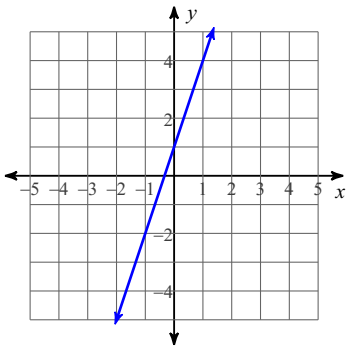


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = 0, y-intercept = 4

16) Slope = $\frac{1}{2}$, y-intercept = –3

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(-5, 5)$, slope = $-\frac{1}{2}$

18) through: $(4, -3)$, slope = 0

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(-3, 2)$ and $(-3, -2)$

20) through: $(1, 2)$ and $(0, 5)$

Answers to COVID-19 Packet #2 (ID: 9)

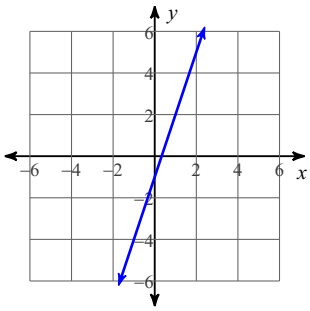
1) $\{2.5\}$

2) $\{9.6\}$

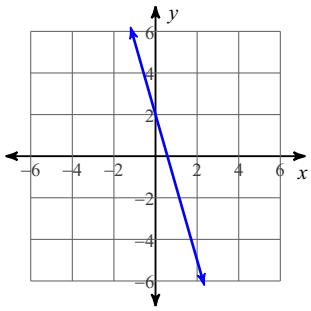
3) $\{3\}$

4) $\{18\}$

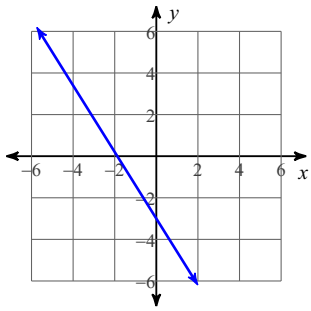
5)



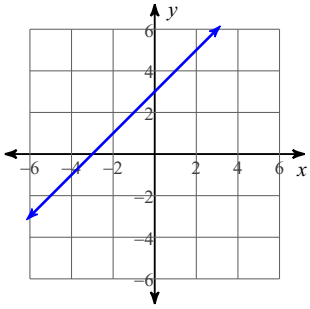
6)



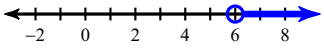
7)



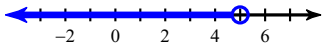
8)



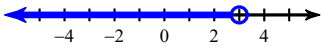
9) $k > 6$:



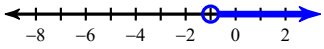
10) $x < 5$:



11) $p < 3$:



12) $x > -1$:



13) $y = -\frac{5}{3}x - 1$

14) $y = 3x + 1$

15) $y = 4$

16) $y = \frac{1}{2}x - 3$

17) $y = -\frac{1}{2}x + \frac{5}{2}$

18) $y = -3$

19) $x = -3$

20) $y = -3x + 5$

Algebra 1A Name_____ ID: 10

COVID-19 Packet #2

Date_____ Period____

Solve each proportion. CROSS MULTIPLY!

1) $\frac{n}{7} = \frac{10}{5}$

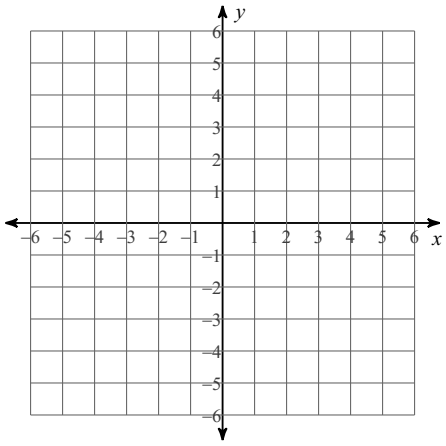
2) $\frac{9}{2} = \frac{9r}{6}$

3) $\frac{9}{x-10} = \frac{4}{2}$

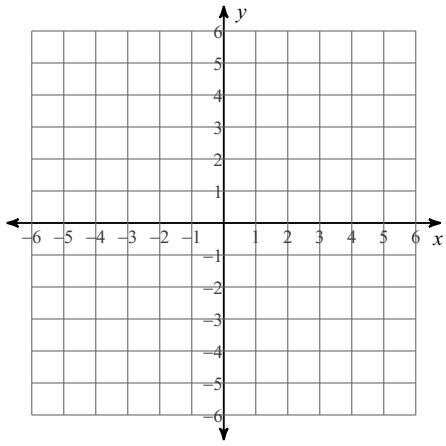
4) $\frac{n-2}{8} = \frac{10}{3}$

Sketch the graph of each line. USE Y=MX+B. M = slope and B = y intercept

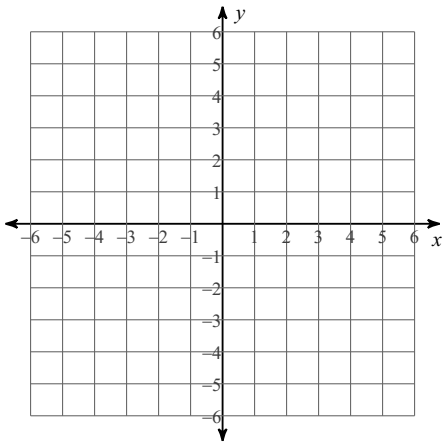
5) $y = -3x$



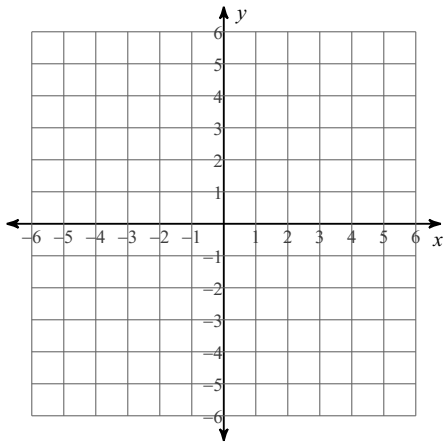
6) $y = -3x + 5$



7) $y = \frac{8}{5}x + 5$

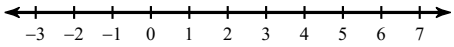


8) $y = \frac{1}{5}x$

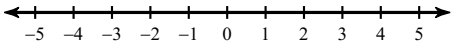


Solve each inequality and graph its solution. REMEMBER TO FLIP THE INEQUALITY WHEN DIVIDING BY A NEGATIVE.

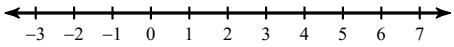
9) $4p - 28 < -4(p + 7)$



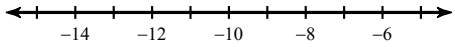
10) $-7b + 18 < -6(-3b - 3)$



11) $-5 + 2x > 7(7x + 6)$

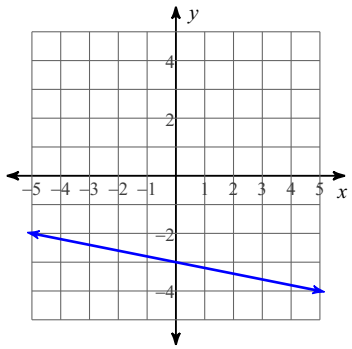


12) $17 - 7x \leq 2(5 - 5x) + 2x$

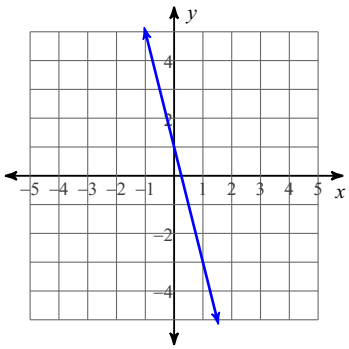


Write the slope-intercept form (Y=MX+B) of the equation of each line.

13)



14)



Write the slope-intercept form (Y=MX+B) of the equation of each line given the slope and y-intercept.

15) Slope = –1, y-intercept = –2

16) Slope = 7, y-intercept = 4

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given point with the given slope.

17) through: $(3, 2)$, slope = undefined

18) through: $(-4, -5)$, slope = 0

Write the slope-intercept form (Y=MX+B) of the equation of the line through the given points. Use the slope formula (y2-y1)/(x2-x1) to find the slope.

19) through: $(-4, -2)$ and $(-2, 1)$

20) through: $(-5, -5)$ and $(-1, -1)$

Answers to COVID-19 Packet #2 (ID: 10)

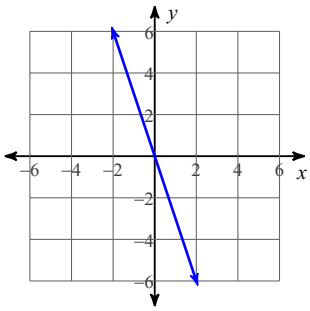
1) $\{14\}$

2) $\{3\}$

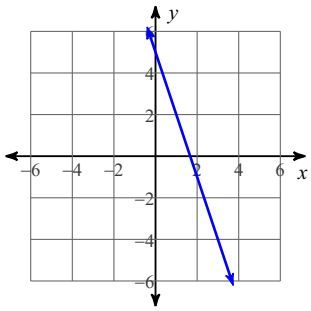
3) $\{14.5\}$

4) $\{28.67\}$

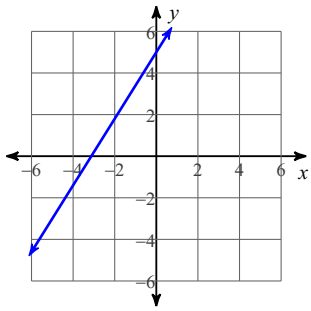
5)



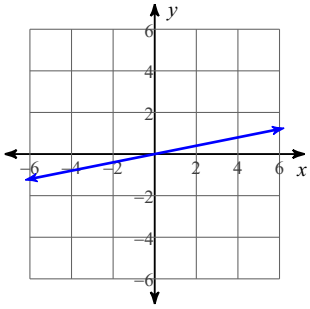
6)



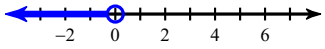
7)



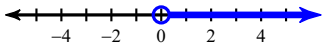
8)



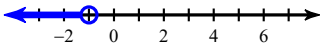
9) $p < 0$:



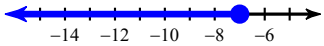
10) $b > 0$:



11) $x < -1$:



12) $x \le -7$:



13) $y = -\frac{1}{5}x - 3$

14) $y = -4x + 1$

15) $y = -x - 2$

16) $y = 7x + 4$

17) $x = 3$

18) $y = -5$

19) $y = \frac{3}{2}x + 4$

20) $y = x$