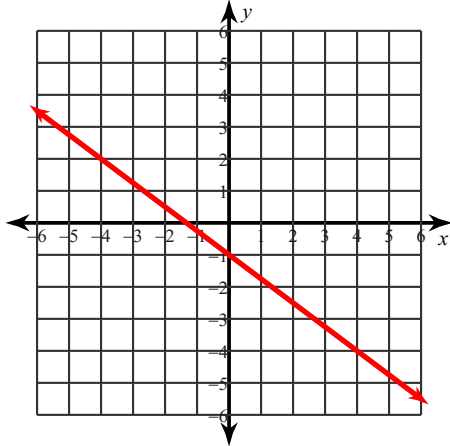


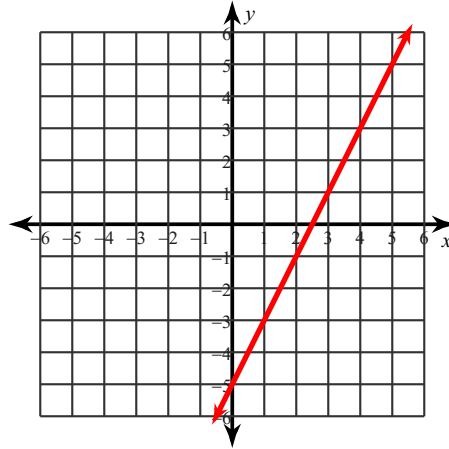
3.3 Line Practice

1. Graph a line from slope intercept form.

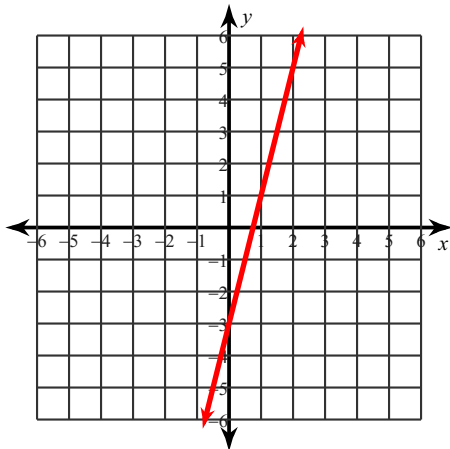
1) $y = -\frac{3}{4}x - 1$



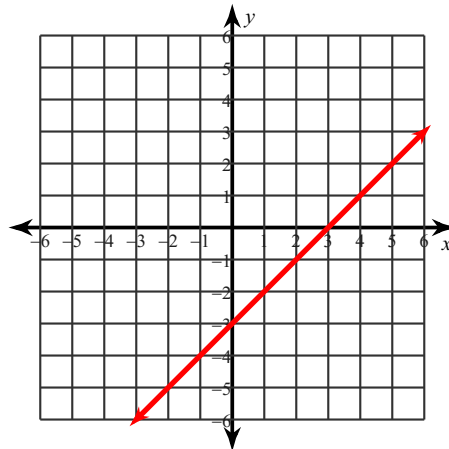
2) $y = 2x - 5$



3) $y = 4x - 3$

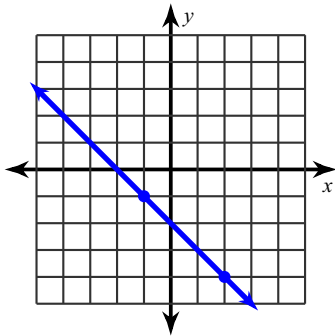


4) $y = x - 3$



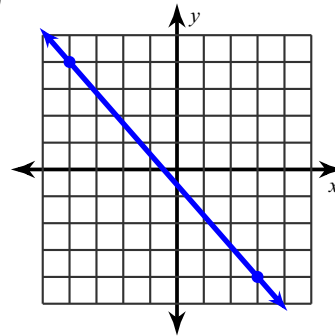
2. Find the slope of a line from the graph

5)



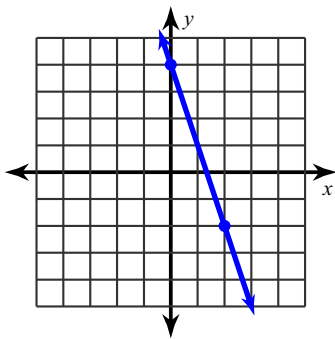
-1

6)



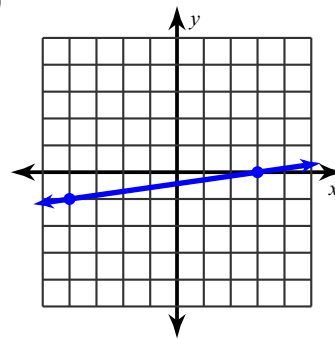
$-\frac{8}{7}$

7)



-3

8)



$\frac{1}{7}$

3. Find the slope of a line from two points

9) (4, 18), (-12, -2)

$\frac{5}{4}$

10) (4, 1), (12, -19) $-\frac{5}{2}$

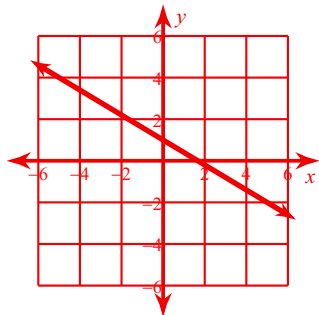
11) (-10, 3), (-6, 11)

2

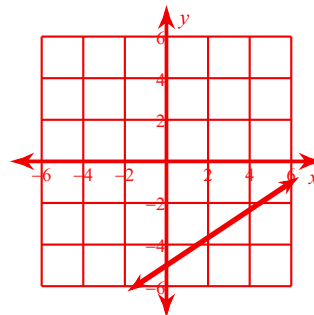
12) (-10, 12), (1, 9) $-\frac{3}{11}$

4. Put the equation into slope-intercept form

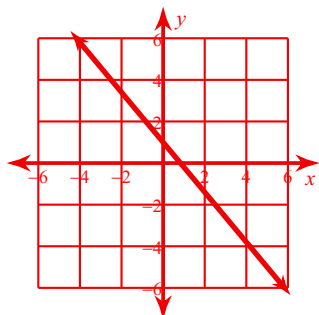
13) $3x = -5y + 5$



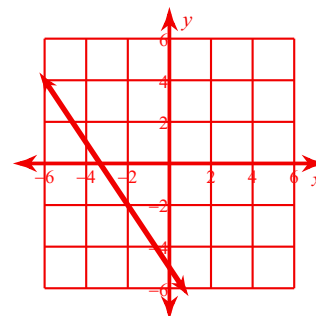
14) $x - \frac{15}{2} = \frac{3}{2}y$



15) $5 - 6x = 5y$

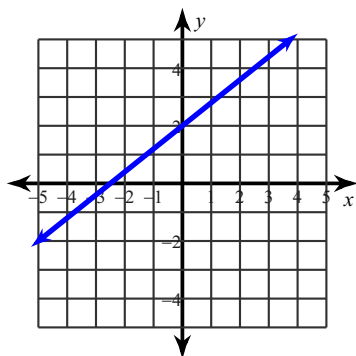


16) $10 + 2y + 3x = 0$



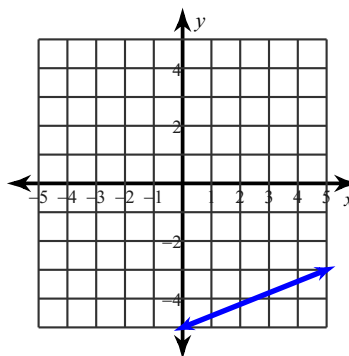
5. Write the equation of the line from the graph

17)



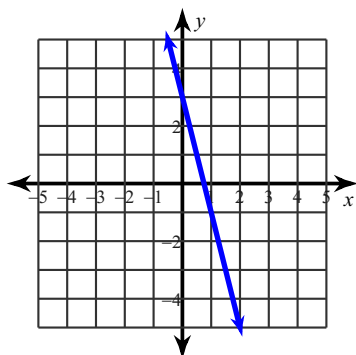
$y = \frac{4}{5}x + 2$

18)



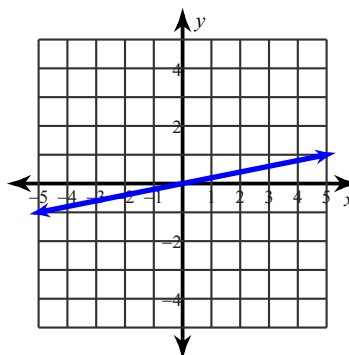
$y = \frac{2}{5}x - 5$

19)



$y = -4x + 3$

20)



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

6. Write the equation of the line from the slope and 1 point

21) through: $(1, 2)$, slope = $\frac{2}{3}$

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

22) through: $(-1, -5)$, slope = 8

$$y = 8x + 3$$

23) through: $(5, -5)$, slope = $-\frac{8}{7}$

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

24) through: $(4, 0)$, slope = $\frac{5}{4}$ $y = \frac{5}{4}x - 5$

7. Write the equation of a line from 2 points.

25) through: $(-4, 1)$ and $(0, -2)$

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

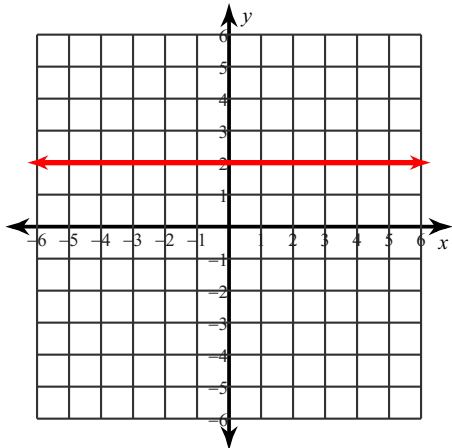
26) through: $(2, 5)$ and $(-2, 0)$ $y = \frac{5}{4}x + \frac{5}{2}$

27) through: $(0, 4)$ and $(4, 5)$ $y = \frac{1}{4}x + 4$

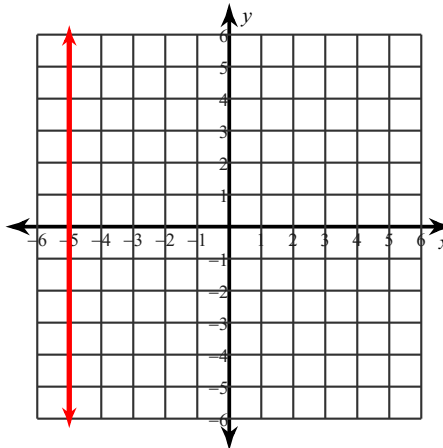
28) through: $(4, 2)$ and $(5, -3)$
 $y = -5x + 22$

8. Graph Horizontal/Vertical Lines

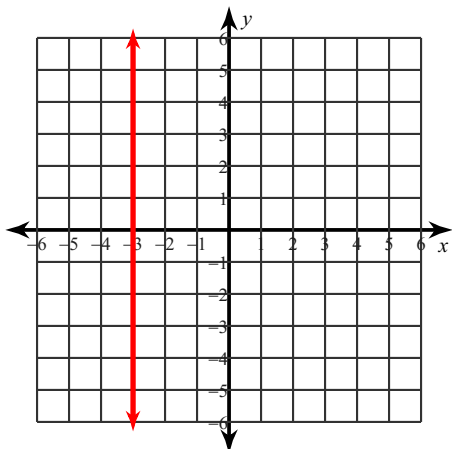
29) $y = 2$



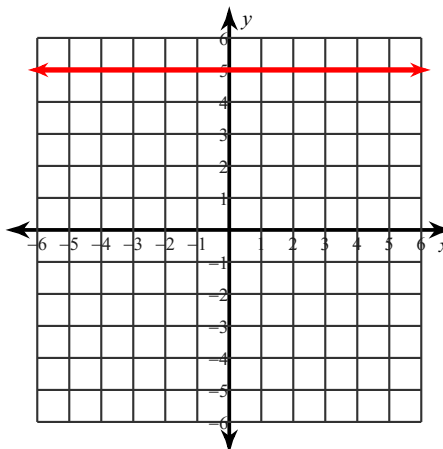
30) $x = -5$



31) $x = -3$

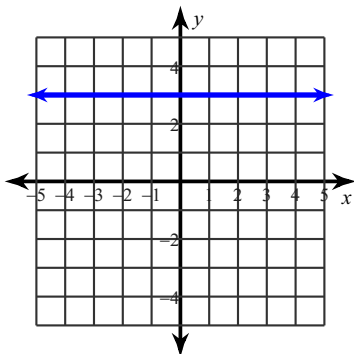


32) $y = 5$



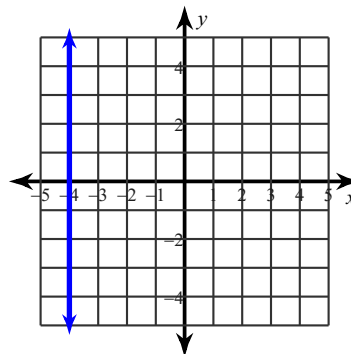
9. Write the equation of horizontal/vertical lines

33)



$y = 3$

34)



$x = -4$

35) through: $(-2, 2)$, slope = 0

$$y = 2$$

36) through: $(-3, -4)$, slope = undefined

$$x = -3$$

37) through: $(4, -4)$ and $(4, 5)$

$$x = 4$$

38) through: $(-2, -1)$ and $(1, -1)$ $y = -1$

Answer the following questions in full sentences.

39) Which of the 9 skills in this packet do you think you are the best at? Explain why:

40) Which of the 9 skills in this packet do you think is your weakest? Explain why:

41) Did you watch all the class videos and complete the 3.2 Delta math over the weekend?

42) Do you think the delta math helped you practice these skills? Explain why or why not.

43) Do you think the delta math helped you practice these skills? Explain why or why not.

44) Are there any skills you need to ask questions about before your quiz on wednesday?