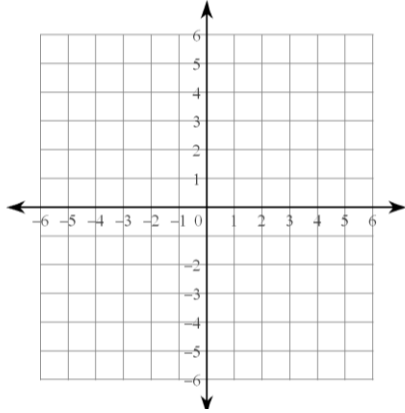


Complete the table and then graph the line.

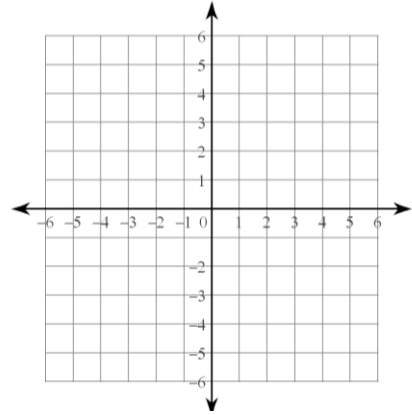
1. $y = -2x + 1$

x	y
-2	
0	
2	



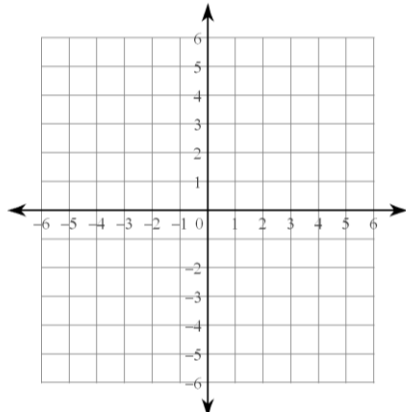
2. $y = \frac{3}{2}x$

x	y
-4	
0	
2	



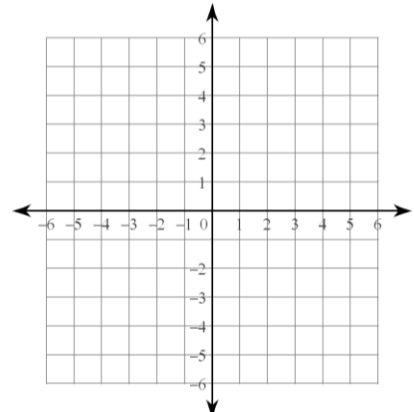
3. Graph the line with slope = $-\frac{1}{3}$ that passes through the point (2, -4). What is the equation for the line?

equation:



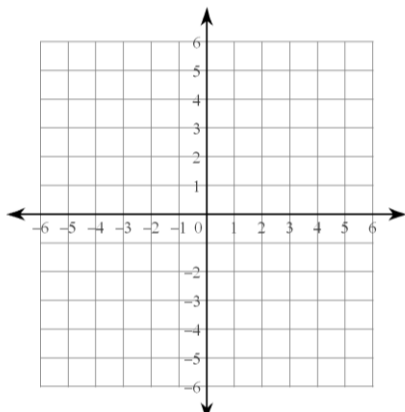
4. Graph the line with slope = 0 that passes through the point (1, -5). What is the equation for the line?

equation:

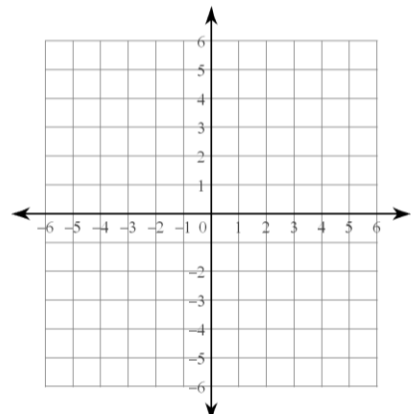


5. Graph the line with undefined slope that passes through the point (1, -5). What is the equation for the line?

equation:



6. Graph the line $6x - 8y = 24$



7. Write each formula.

Slope	Point-Slope Form of a Linear Equation	Slope Intercept-Form of a Linear Equation

8. Complete the following table by writing the slope and each form of the linear equation that goes through the given points.

Points	Slope	Point-Slope Form of the Linear Equation	Slope Intercept Form of the Linear Equation
a. $(-3,5), (12,0)$			
b. $(8,2), (6,2)$			

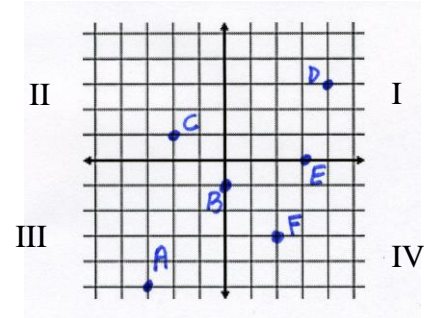
9. Write the point-slope equation of a line with slope $\frac{12}{7}$ containing the point $(1, -4)$.

10. Write the slope-intercept equation of a line with slope $\frac{5}{8}$ and y-intercept -3.

11. Write the slope-intercept equation of a line with slope 0 and y-intercept 15.

12. For each point, list the coordinates as an ordered pair and indicate which quadrant contains the point. It is possible that a point might be on an axis instead of inside a quadrant.

Point	Coordinates	Quadrant
A		
B		
C		
D		
E		
F		



For each graphed line, find the slope, x -intercept, and the y -intercept. Then write the slope-intercept form of the equation of the line.

13.

Slope = _____

x -int (,)

y -int (,)

equation: _____

14.

Slope = _____

x -int (,)

y -int (,)

equation: _____

15.

Slope = _____

x -int (,)

y -int (,)

equation: _____

16.

Slope = _____

x -int (,)

y -int (,)

equation: _____

17.

Slope = _____

x -int (,)

y -int (,)

equation: _____

18.

Slope = _____

x -int (,)

y -int (,)

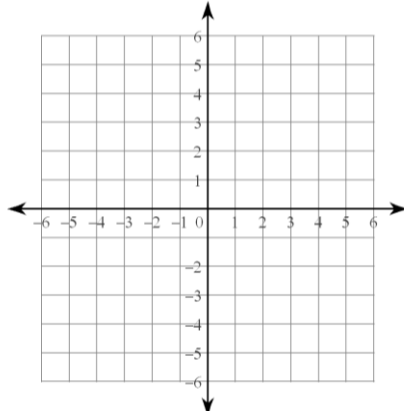
equation: _____

19. Find the x -intercept and y -intercept for the line. Then graph the line.

$$3x + 2y = 6$$

x -int (,)

y -int (,)

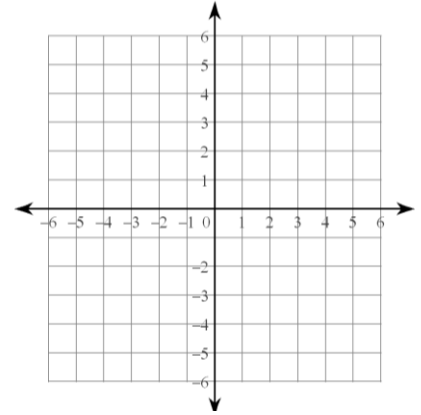


20. Find the x -intercept and y -intercept for the line. Then graph the line.

$$4x - 5y = 20$$

x -int (,)

y -int (,)



21. Rewrite in slope-intercept form. Then identify the slope and y -intercept for the line.

$$3x + 8y = 15$$

equation:

Slope = _____

y -int (,)

22. Rewrite in slope-intercept form. Then identify the slope and y -intercept for the line.

$$10x - 2y = 60$$

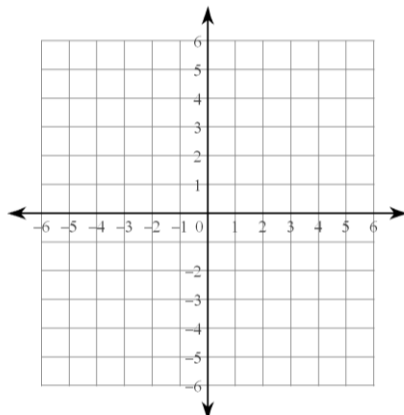
equation:

Slope = _____

y -int (,)

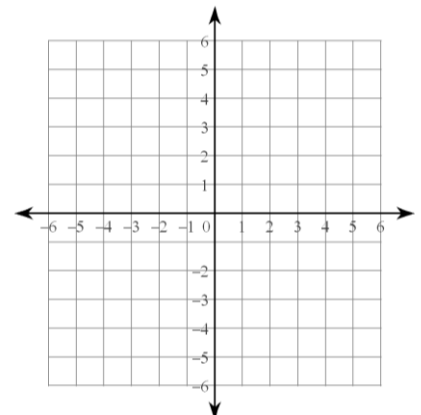
23. Graph the line

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



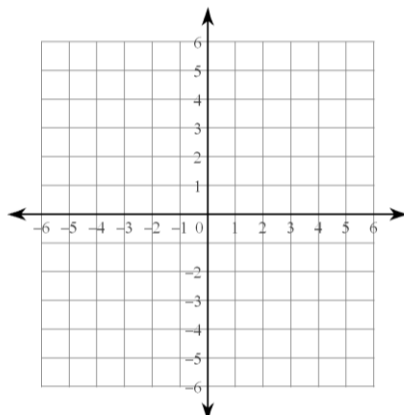
24. Graph the line

$$y = -2x + 5$$



25. Graph the line

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



26. Graph the line

$$y = x$$

