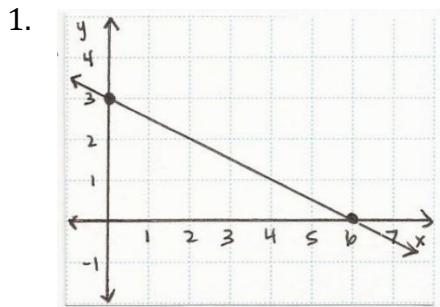


Slope Intercept Practice

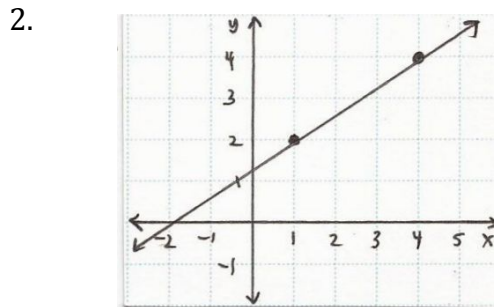
Name _____

Date _____ Per _____ A# _____

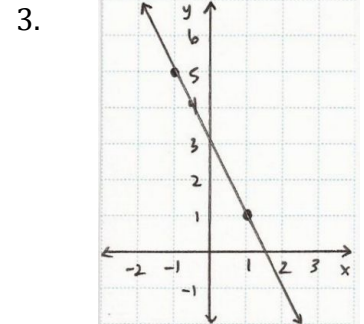
Determine the slope of the each line. Draw and label a slope triangle using the highlighted points.



slope = _____



slope = _____



slope = _____

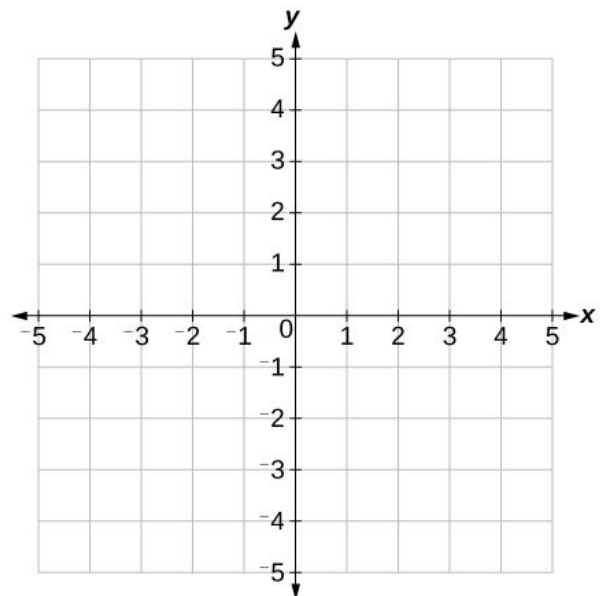
Find the slope of the line containing each pair of points.

Plot the points, draw a line and sketch a slope triangle to visualize the vertical and horizontal change.

4. (2, 3) and (5, 5) m = _____

5. (-2, 1) and (3, -3) m = _____

6. (1, -3) and (5, -4) m = _____



Identify the slope and the y-intercept in each equation.

7. $y = \frac{1}{2}x - 2$

m = ____ y-int: ____

8. $y = -3x + 5$

m = ____ y-int: ____

9. $y = 4x$

m = ____ y-int: ____

10. $y = -\frac{2}{3}x + 1$

m = ____ y-int: ____

Match each equation with the appropriate graph at the right.

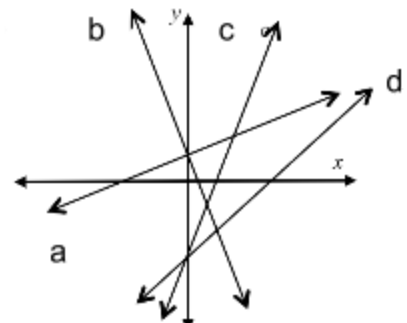
(Label with the letter.)

11. ____ $y = x + 2$

13. ____ $y = 4x - 10$

12. ____ $y = \frac{5}{2}x - 10$

14. ____ $y = -\frac{5}{2}x + 2$



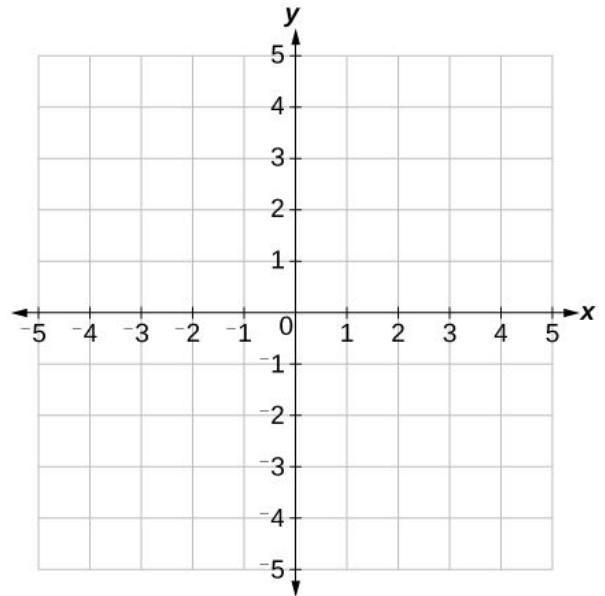
Draw a graph and find the equation of a line with:

15. Slope = $-\frac{1}{3}$ and passing through (3, -1)

Equation: _____

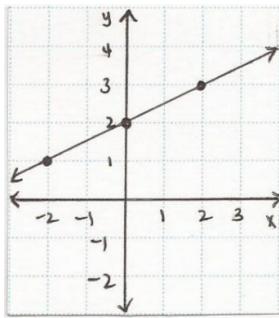
16. Slope = $\frac{2}{3}$ and passing through (3, 2)

Equation: _____



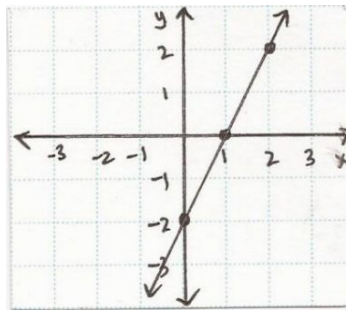
Using the slope and y-intercept, determine the equation of the line.

17.



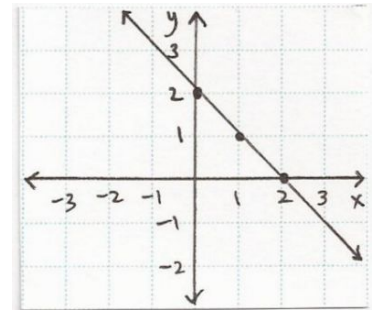
Equation: _____

18.



Equation: _____

19.



Equation: _____

Graph the following linear equations. Label each line with a rule and y-intercept.

20. $y = \frac{1}{2}x - 2$

21. $y = -\frac{3}{5}x + 1$

22. $y = -2x$

