

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## 5.2 Practice 1

Write an equation of the line that passes through each pair of points.

1.  $(-1, 6), (7, -10)$

2.  $(0, 2), (1, 7)$

3.  $(6, -25), (-1, 3)$

4.  $(-2, -1), (2, 11)$

5.  $(10, -1), (4, 2)$

6.  $(-14, -2), (7, 7)$

7. Write an equation of a line that passes through the  $x$ -intercept 4 and the  $y$ -intercept  $-2$ .

8. Write an equation of a line that passes through the  $x$ -intercept  $-3$  and  $y$ -intercept 5.

9. Write an equation of a line that passes through  $(0, 16)$  and  $(-10, 0)$

Write an equation of the line that passes through each point with the given slope.

10.  $(8, 2), m = -\frac{3}{4}$

11.  $(-1, -3), m = 5$

12.  $(4, -5), m = -\frac{1}{2}$

13.  $(-5, 4), m = 0$

14.  $(2, 2), m = \frac{1}{2}$

15.  $(1, -4), m = -6$

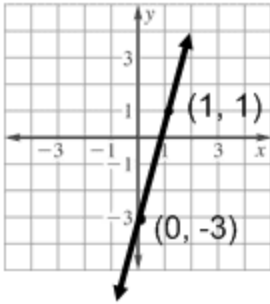
16. Write an equation of a line that passes through the  $y$ -intercept  $-3$  with slope 2.

17. Write an equation of a line that passes through the  $x$ -intercept 4 with slope  $-3$ .

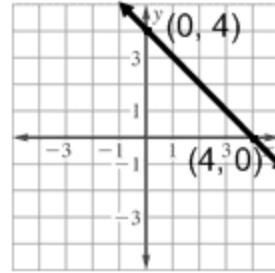
18. Write an equation of a line that passes through the point  $(0, 350)$  with slope of  $\frac{1}{5}$ .

Write the equation of the line represented by the graph.

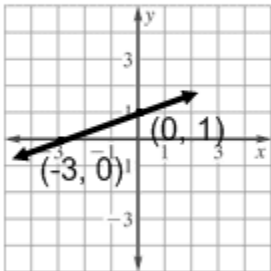
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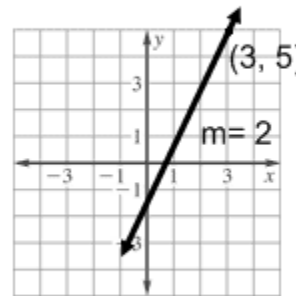
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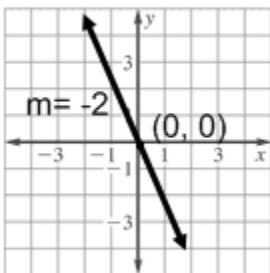
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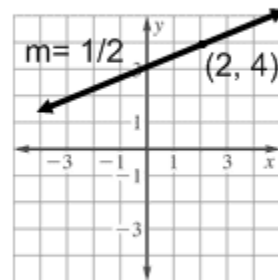
22.



23.



24.



25. You are taking a Tae Kwon Do class that costs \$15 a month. In addition, you need to purchase a uniform. You paid a total of \$108 after 6 months. Find the cost of the uniform and then write an equation to represent the total cost you would pay after any number of months.