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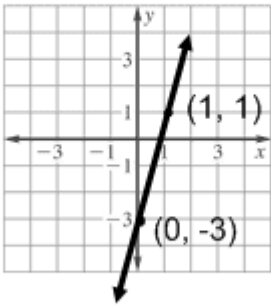
17. Write an equation of a line that passes through the x-intercept 4 with slope -3.

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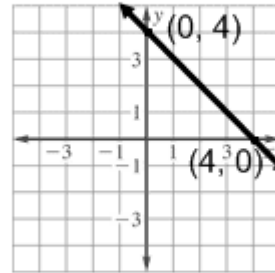
5.2 Practice 1

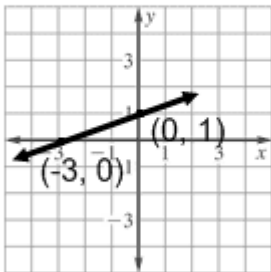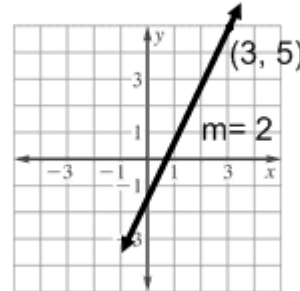**Write the equation of the line represented by the graph.**

19.

(1, 1)

(0, -3)

20.

(0, 4)

(4, 0)

21.

(0, 1)

(-3, 0)

22.

(3, 5)

m= 2

23.

m= -2

(0, 0)

24.

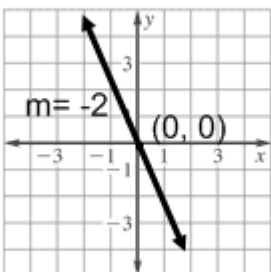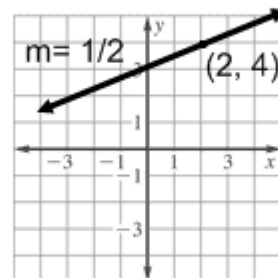m= 1/2

(2, 4)

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.