

Name: \_\_\_\_\_ Per: \_\_\_\_\_

Find the slope of the line passing through the given points.

1.  $(4, 5), (2, 9)$

2.  $(1, 4), (5, 0)$

3.  $(-3, 5), (6, 2)$

4.  $(2, -7), (4, -4)$

5.  $(0, -8), (-3, -5)$

6.  $\left(\frac{1}{2}, \frac{3}{4}\right), \left(\frac{3}{2}, \frac{9}{4}\right)$

Write an equation of the line that passes through the given point and has the given slope.

7.  $(2, 1), m = -2$

8.  $(-4, 3), m = 5$

9.  $(7, -5), m = 1$

10.  $(-1, -10), m = 3$

11.  $\left(\frac{1}{2}, 4\right), m = -8$

12.  $\left(\frac{2}{3}, 0\right), m = -4$

Write an equation of the line that passes through the given points.

13.  $(-2, 1), (2, 4)$

14.  $(-1, 3), (1, -1)$

15.  $(-3, -1), (3, 2)$

16.  $(4, -2), (6, -3)$

17.  $(1, 5), (-4, 0)$

18.  $(3, -7), (-2, 3)$

19.  $(-6, 1), (-5, 4)$

20.  $(-3, -2), (4, 1)$

21.  $(10, -4), (6, -10)$