

## Practice

**Writing Linear Equations in Point-Slope and Standard Forms**

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

1.  $(1, 1), \frac{1}{4}$

2.  $(6, 0), -\frac{1}{2}$

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

4.  $(-6, -2), -\frac{1}{3}$

5.  $(3, -4), 0$

6.  $(-4, 1), \frac{3}{2}$

7.  $(0, 0), -3$

8.  $(5, -3), \text{none}$

Write the point-slope form of an equation of the line that passes through each pair of points.

9.  $(-1, -7), (1, 3)$

10.  $(5, 3), (-4, 3)$

11.  $(-4, 6), (-2, 5)$

12.  $(2, -6), (2, 5)$

13.  $(-3, -2), (4, 5)$

14.  $(-5, 1), (0, -2)$