Writing Equations in Point-Slope Form

Write the point-slope form of an equation for each line passing through the given point and having the given slope.

1. $(4, 7)$, $m = 3$

2. $(-2, 3)$, $m = 5$

3. $(6, -1)$, $m = -2$

4. $(-5, -2)$, $m = 0$

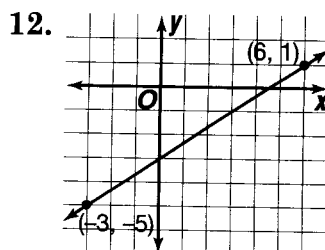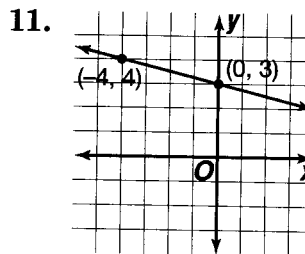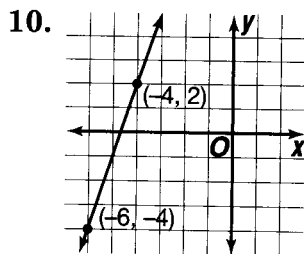**5.** $(-4, -6)$, $m = \frac{2}{3}$

6. $(-8, 3)$, $m = -\frac{3}{5}$

7. $(7, -9)$, $m = 4$

8. $(-6, 3)$, $m = -\frac{1}{2}$

9. $(-2, -5)$, $m = 8$

Write the point-slope form of an equation for each line.

10.

11.

12.

13.
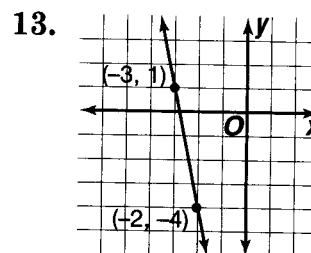
14. the line through points at $(-2, -2)$ and $(-1, -6)$

15. the line through points at $(-7, -3)$ and $(5, -1)$