

Equation of a Line | Point-Slope Form

Write each equation of the line whose slope and the point through which it passes are given.

1) $m = 6$ and $(4, 12)$

2) $m = \frac{1}{4}$ and $(-3, -9)$

3) $m = -7$ and $(-9, 5)$

4) $m = 1$ and $(6, -10)$

5) $m = -2$ and $(-1, -4)$

6) $m = -\frac{3}{5}$ and $(2, -3)$

7) $m = -\frac{5}{8}$ and $(-8, -7)$

8) $m = 8$ and $(-5, 4)$

9) Find the equation of the line whose slope is $\frac{1}{6}$ passing through the point $(-9, 3)$.
