

**Point-slope Form**

Sheet 5

Write the equation of the line whose slope and the point through which it passes are given. Express the equation in point-slope form.

1)  $(-5, 3)$  and slope  $m = -7$

2)  $(-2, 1)$  and slope  $m = 8$

3)  $(8, -2)$  and slope  $m = -5$

4)  $(-3, -4)$  and slope  $m = \frac{5}{4}$

5)  $(-9, 5)$  and slope  $m = 6$

7)  $(-6, 0)$  and slope  $m = 1$

9)  $(-7, -8)$  and slope  $m = 0$

10)  $(4, -9)$  and slope  $m = -3$

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