Point-slope Form

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

m = 6

7)   (−6, 0) and slope m

n = 1

9)   (−7, −8) and slope m = 0

10)   (4, −9) and slope m = −3