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)   (−2, 3) and slope m = 9

2)   (4, 0) and slope m = −7

3)   (−7, −4) and slope m = 6

4)   (8, −1) and slope m = −3

5)   (1, 1) and slope m = 0

6)   (−5, −6) and slope m = $\dfrac{3}{8}$

7)   (−9, 0) and slope m = $-\dfrac{7}{4}$

8)   (−3, 8) and slope m = −1

9)   (−8, 1) and slope m = −6

10)   (−2, 0) and slope m = 4