Point-Slope Form

Part - A

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

1) (7, 7) and slope m = 2

2) (0, 5) and slope m = –8

3) (–6, –9) and slope m = –5

4) (–1, 3) and slope m = 0

5) (4, 5) and slope m = 1

6) (–8, –2) and slope $m = \dfrac{1}{7}$

7) (–7, 0) and slope $m = -\dfrac{3}{5}$

8) (2, –4) and slope m = –6

Part - B

1) Find the equation of the line that cuts the x-axis at x = 1 and whose slope is 9.

2) Find the equation of a line passing through the point (3, –6) and whose slope is –3.