Point-Slope Form

Part - A

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

1) (–9, –3) and slope m = 3

2) (4, –2) and slope m = –5

3) (–4, 1) and slope m = –9

4) (–7, 3) and slope m = $\frac{7}{8}$

5) (7, –5) and slope m = $\frac{1}{4}$

6) (–1, –9) and slope m = – 4

7) (6, 0) and slope m = – 8

8) (10, 8) and slope m = 0

Part - B

1) Find the equation of the line that has slope 2 and passes through the point (5, 4).

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2) If the slope of the line is –10 and it cuts the x-axis at x = – 4, find the equation of the line.

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