Equation of a Line

Part - A

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

1)   (5, 1) and slope m = 8

2)   (−2, −6) and slope m = 0

3)   (−9, 4) and slope m = 7

4)   (−3, 7) and slope m = −5

5)   (3, −8) and slope m ███████████████████ m = 3

7)   (4, 1) and slope m ███████████████████ m = $\frac{2}{5}$

1)   Find the equation of the line that cuts the y-axis at y = −6 and whose slope is $\frac{2}{7}$.

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2)   If a line passes through the point (−4, 5) with the slope 2, then find the equation of the line.

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