

Equation of a Line

L1S3

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 $m = 3$

6) $m = 3$

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

8) $m = \frac{2}{5}$

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

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