

Equation of a Line

L1S1

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) $(-5, -8)$ and slope $m = 5$

2) $(1, 5)$ and slope $m = -7$

3) $(6, 7)$ and slope $m = 2$

4) $(-4, 3)$ and slope $m = 0$

5) $(2, -9)$ and slope $m = \frac{2}{7}$

$m = \frac{2}{7}$

7) $(-7, 2)$ and slope $m = -3$

$m = -3$

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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 the line that passes through the point $(3, 6)$ and whose slope is -1 .
