

Equation of a Line

Slope Intercept: L1S4

Part - A

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

1) $(4, -9)$ and slope $m = -\frac{1}{2}$

2) $(-5, -2)$ and slope $m = 9$

3) $(-8, 1)$ and slope $m = 3$

4) $(8, -2)$ and slope $m = -\frac{6}{7}$

5) $(-6, -3)$ and slope $m = -4$

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

1) Find the equation of the line that passes through the point $(4, 9)$ and whose slope is 9.

2) Find the equation of the line that cuts the x-axis at $x = -9$ and whose slope is 5.

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