

Equation of a Line

Slope Intercept: L1S3

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

2) $(-4, 5)$ and slope $m = 7$

3) $(-2, -8)$ and slope $m = 4$

4) $(1, 7)$ and slope $m = -\frac{1}{3}$

5) $(-9, 3)$ and slope $m = 6$

7) $(1, 4)$ and slope $m = 2$

1) If the slope of the line is $m = 3$ and it passes through the point $(2, 5)$, find the equation of the line.

2) Find the equation of the line that cuts the y-axis at $(0, 9)$ and whose slope is 5.

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