

Equation of a Line

L1S2

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) $(4, -3)$ and slope $m = -1$

2) $(5, 6)$ and slope $m = -9$

3) $(-8, -5)$ and slope $m = -3$

4) $(-7, 3)$ and slope $m = \frac{6}{7}$

5) $(2, 1)$ and slope m

$m = 6$

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

$m = -4$

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1) Find the equation of the tangent whose slope is -7 and touches the circle at the point $(-5, -7)$.

2) Find the equation of the line that cuts the y-axis at $(0, 1)$ and the slope 8 .
