

Equation of a Line

L2S4

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) $\left(\frac{3}{2}, \frac{5}{4}\right)$ and slope $m = 2$

2) $\left(-1, \frac{3}{8}\right)$ and slope $m = -\frac{1}{6}$

3) $\left(6, -\frac{7}{3}\right)$ and slope

d slope $m = -1$

5) $\left(-\frac{1}{8}, 9\right)$ and slope

slope $m = 6$

1) Find the equation

slope is 9.

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2) Find the equation of the line k that passes through the point $\left(\frac{1}{2}, 1\right)$ and whose slope is $\frac{2}{5}$.

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1) $\left(\frac{3}{2}, \frac{5}{4}\right)$ and slope $m = 2$

2) $\left(-1, \frac{3}{8}\right)$ and slope $m = -\frac{1}{6}$

$8x - 4y = 7$

$4x + 24y = 5$

3) $\left(6, -\frac{7}{3}\right)$ and slope

d slope $m = -1$

PREVIEW

$4x - 9y = 45$

: -13

5) $\left(-\frac{1}{8}, 9\right)$ and slope

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slope $m = 6$

$8x + 2y = 17$

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1) Find the equation

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slope is 9.

$18x - 2y = 15$

2) Find the equation of the line k that passes through the point $\left(\frac{1}{2}, 1\right)$ and whose slope is $\frac{2}{5}$.

$2x - 5y = -4$