

Equation of a Line

Part - A

Find the equation of the line passing through the given points. Express the equation in standard form.

1) $\left(-\frac{2}{3}, 9\right)$ and $\left(-\frac{7}{6}, 4\right)$

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

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

5) $\left(-3, \frac{1}{3}\right)$ and $\left(-\frac{2}{5}, -\frac{2}{3}\right)$

1) Find the equation of the line passing through the points $\left(-8, -\frac{1}{4}\right)$ and $\left(-7, -\frac{2}{3}\right)$.

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2) A line cuts the x-axis at $x = -7$ and passes through the point $\left(-\frac{8}{5}, -\frac{1}{3}\right)$. Find the equation of the line.

Equation of a Line

L2S5

Part - A

Find the equation of the line passing through the given points. Express the equation in standard form.

1) $\left(-\frac{2}{3}, 9\right)$ and $\left(-\frac{7}{6}, 4\right)$

$30x - 3y = -47$

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

$5x - y = 5$

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

$3x + 10y = 0$

5) $\left(-3, \frac{1}{3}\right)$ and $\left(-\frac{2}{5}, -\frac{2}{3}\right)$

$20x + 273y = 31$

1) Find the equation of the line passing through the points $(-7, -\frac{2}{3})$ and $(-\frac{5}{2}, -\frac{5}{2})$.

$19x - 54y = 78$

2) A line cuts the x-axis at $x = -7$ and passes through the point $\left(-\frac{8}{5}, -\frac{1}{3}\right)$. Find the equation of the line.

$5x + 81y = -35$

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