

Equation of a Line

Part - A

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

1) $\left(-1, \frac{9}{2}\right)$ and $\left(\frac{5}{3}, 7\right)$

2) $\left(\frac{6}{5}, -\frac{1}{2}\right)$ and $\left(\frac{8}{5}, -7\right)$

3) $\left(7, -\frac{1}{3}\right)$ and $\left(-8, \frac{5}{6}\right)$

$\left(1, -\frac{1}{9}\right)$

5) $\left(-\frac{3}{4}, \frac{8}{9}\right)$ and $\left(\frac{1}{2}, -\right)$

$\left(2, \frac{4}{3}\right)$

1) Find the equation

$\left(, 4\right)$.

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2) A line cuts the x-axis at $\left(-\frac{3}{8}, 0\right)$ and passes through the point $\left(-\frac{9}{4}, -\frac{1}{6}\right)$. Find the equation of the line.

Equation of a Line

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Part - A

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

1) $\left(-1, \frac{9}{2}\right)$ and $\left(\frac{5}{3}, 7\right)$

$$15x - 16y = -87$$

2) $\left(\frac{6}{5}, -\frac{1}{2}\right)$ and $\left(\frac{8}{5}, -7\right)$

$$65x + 4y = 76$$

3) $\left(7, -\frac{1}{3}\right)$ and $\left(-8, \frac{5}{6}\right)$

$$7x + 90y = 19$$

5) $\left(-\frac{3}{4}, \frac{8}{9}\right)$ and $\left(\frac{1}{2}, -\right)$

$$28x + 9y = -13$$

1) Find the equation

$$\underline{98x + 65y = 274}$$

2) A line cuts the x-axis at $\left(-\frac{3}{8}, 0\right)$ and passes through the point $\left(-\frac{9}{4}, -\frac{1}{6}\right)$. Find the equation of the line.

$$\underline{8x - 90y = -3}$$

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