

## Equation of a Line

L2S4

### Part - A

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

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

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

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

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

5)  $\left(6, \frac{3}{4}\right)$  and  $\left(7, \frac{5}{6}\right)$

$\left(1, \frac{2}{9}\right)$

1) A line cuts the y-axis at  $(0, -\frac{3}{2})$  and the x-axis at  $(\frac{3}{2}, 0)$ .

Find the equation of the line.

2) Find the equation of the line passing through the points  $\left(-\frac{6}{5}, -7\right)$  and  $\left(\frac{9}{7}, 1\right)$ .

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