

# Equation of a Line

Slope Intercept: L2S3

## Part - A

Find the equation of the line passing through the given points. Express the equation in slope-intercept form.

1)  $\left(-\frac{5}{2}, -\frac{3}{8}\right)$  and  $\left(-\frac{3}{4}, -6\right)$

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

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

$\left(-\frac{5}{6}, -\frac{5}{8}\right)$

5)  $\left(-\frac{6}{5}, 4\right)$  and  $(2,$

$\frac{1}{6}, 2)$

1) A line cuts the y-axis at  $(0, 3)$  and has a slope of  $\frac{1}{2}$ . Find the equation of the line.

). Find the equation

2) Find the equation of the line passing through the points  $\left(-\frac{1}{6}, 6\right)$  and  $\left(-\frac{7}{4}, \frac{9}{2}\right)$ .

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