

Equation of a Line

Slope Intercept: L2S5

Part - A

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

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

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

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

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

5) $\left(3, -\frac{2}{5}\right)$ and $\left(\frac{7}{3}, 4\right)$

$\left(-\frac{7}{8}, \frac{4}{9}\right)$

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1) A line cuts the y-axis at $y = \frac{1}{3}$ and the x-axis at $x = \frac{2}{3}$. Find the equation of the line.

). Find the equation

2) Find the equation of the line n that cuts the x-axis at $x = -\frac{5}{2}$ and the y-axis at $y = \frac{1}{3}$.
