

Equation of a Line

Slope Intercept: L2S1

Part - A

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

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

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

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

5) $\left(6, -\frac{5}{8}\right)$ and $\left(4, \frac{3}{7}, \frac{8}{3}\right)$

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

2) Find the equation of the tangent that cuts the x-axis at $\left(\frac{5}{2}, 0\right)$ and touches the circle at the point $\left(-\frac{3}{4}, -1\right)$.

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