

Equation of a Line

Slope Intercept: L2S4

Part - A

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

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

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

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

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

5) $\left(-\frac{7}{6}, 3\right)$ and $\left(\frac{1}{2}, 3\right)$

$\left(-\frac{1}{6}, \frac{3}{2}\right)$

1) Find the equation of the line passing through the points $\left(-\frac{1}{2}, 3\right)$ and $\left(\frac{1}{2}, -\frac{9}{8}\right)$.

$\left(\frac{1}{2}, -\frac{9}{8}\right)$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

2) Find the equation of the tangent that cuts the y-axis at $\left(0, \frac{1}{7}\right)$ and touches the circle at the point $\left(\frac{2}{7}, 6\right)$.