

Equation of a Line

Slope Intercept: L2S2

Part - A

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

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

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

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

$\left(\frac{9}{2}, -\frac{7}{6}\right)$

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

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

1) Find the equation of the line passing through the point $(-2, 3)$ and the y-axis at $y = \frac{9}{7}$.

y-axis at $y = \frac{9}{7}$.

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) A line cuts the y-axis at $\left(0, \frac{4}{3}\right)$ and passes through the point $\left(-\frac{5}{4}, -1\right)$. Find the equation of the line.