

## Equation of a Line

### Part - A

Find the equation of the line passing through the given points. Express the equation in standard form.

1)  $\left(-\frac{2}{3}, 9\right)$  and  $\left(-\frac{7}{6}, 4\right)$

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

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

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

1) Find the equation of the line passing through the points  $\left(-7, -\frac{5}{2}\right)$  and  $\left(-\frac{8}{5}, -\frac{1}{3}\right)$ .

# 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](http://www.mathworksheets4kids.com)

2) A line cuts the x-axis at  $x = -7$  and passes through the point  $\left(-\frac{8}{5}, -\frac{1}{3}\right)$ . Find the equation of the line.

## Equation of a Line

L2S5

### Part - A

Find the equation of the line passing through the given points. Express the equation in standard form.

1)  $\left(-\frac{2}{3}, 9\right)$  and  $\left(-\frac{7}{6}, 4\right)$

$$30x - 3y = -47$$

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

$$5x - y = 5$$

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

$$3x + 10y = 0$$

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

$$20x + 273y = 31$$

1) Find the equation of the line passing through the points  $(-7, -\frac{2}{3})$  and  $(-\frac{5}{2}, -\frac{5}{2})$ .

$$\underline{19x - 54y = 78}$$

2) A line cuts the x-axis at  $x = -7$  and passes through the point  $\left(-\frac{8}{5}, -\frac{1}{3}\right)$ . Find the equation of the line.

$$\underline{5x + 81y = -35}$$

# 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](http://www.mathworksheets4kids.com)