Name : _____ Score : _____

# Equation of a Line

L2S1

**Part - A**

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

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

2) $\left(\frac{2}{5}, -\frac{7}{6}\right)$ and $\left(-\frac{1}{2}, -\frac{1}{4}\right)$

3) $\left(-\frac{5}{2}, -3\right)$ and $\left(\frac{7}{4}, -9\right)$

$\left(-\frac{2}{9}, \frac{7}{3}\right)$

5) $\left(-7, \frac{5}{9}\right)$ and $\left(-8, \frac{1}{3}\right)$

$\left(9, -\frac{5}{4}\right)$



1) Find the equation

$\left(-, 7\right)$.

_____

2) A line cuts the y-axis at $\left(0, -\frac{1}{2}\right)$ and passes through the point $\left(-\frac{3}{4}, 1\right)$. Find the equation of the line.

_____

Name : _____ **Answer key** Score : _____

# Equation of a Line

L2S1

## Part - A

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

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

**3x – 12y = 2**

2) $\left(\frac{2}{5}, -\frac{7}{6}\right)$ and $\left(-\frac{1}{2}, -\frac{1}{4}\right)$

**55x + 54y = –41**

3) $\left(-\frac{5}{2}, -3\right)$ and $\left(\frac{7}{4}, -9\right.$

**24x + 17y = –111**

$\left.-\frac{2}{9}, \frac{7}{3}\right)$

5) $\left(-7, \frac{5}{9}\right)$ and $\left(-8, \frac{1}{3}\right.$

**2x – 9y = –19**

$\left.9, -\frac{5}{4}\right)$

**1**



1) Find the equation

$\left.-, 7\right)$.

**8x – 5y = –29**

2) A line cuts the y-axis at $\left(0, -\frac{1}{2}\right)$ and passes through the point $\left(-\frac{3}{4}, 1\right)$. Find the equation of the line.

**4x + 2y = –1**