Name : _____ Score : _____

Equation of a Line

L2S4

Part - A

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

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

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

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

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www.mathworksheets4kids.com $\left(\frac{3}{5}, -2\right)$

5) $\left(6, \frac{3}{4}\right)$ and $\left(7, \frac{5}{6}\right)$ $\left(1, \frac{2}{9}\right)$

1) A line cuts the y-a nd the equation of the line.

_____

2) Find the equation of the line passing through the points $\left(-\frac{6}{5}, -7\right)$ and $\left(\frac{9}{7}, 1\right)$.

_____

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

Equation of a Line

L2S4

Part - A

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

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

33x + 100y = –64

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

31x + 120y = 327

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

20x – 21y = –9

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

–41

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

x – 12y = –3

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

–37

PREVIEW

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1) A line cuts the y-a

nd the equation of the line.

91x + 24y = 18

2) Find the equation of the line passing through the points $\left(-\frac{6}{5}, -7\right)$ and $\left(\frac{9}{7}, 1\right)$.

280x – 87y = 273