Equation of a Line

Part - A

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

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

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

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

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

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

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

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

_____

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

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Part - A

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

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

33x + 100y = −64

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

31x + 120y = 327

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

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

20x − 21y = −9

−41

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

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

x − 12y = −3

−37

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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 $\left(-\dfrac{6}{5}, -7\right)$ and $\left(\dfrac{9}{7}, 1\right)$.

280x − 87y = 273