

Equation of a Line

L1S3

Part - A

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

1) $(-1, 1)$ and $(-3, -7)$

2) $(9, 4)$ and $(-7, 0)$

3) $(-8, 2)$ and $(-2, -5)$

4) $(-5, 3)$ and $(-4, 6)$

5) $(3, 1)$ and $(1, 8)$

7) $(-4, 8)$ and $(-8, 2)$

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1) A line cuts the y-axis at $(0, 1)$ and passes through the point $(3, -2)$. Find the equation of the line.

2) Find the equation of the line passing through the points $(-7, 3)$ and $(9, -6)$.

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Part - A

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1) $(-1, 1)$ and $(-3, -7)$

2) $(9, 4)$ and $(-7, 0)$

$4x - y = -5$

$x - 4y = -7$

3) $(-8, 2)$ and $(-2, -5)$

4) $(-5, 3)$ and $(-4, 6)$

$7x + 6y = -44$

5) $(3, 1)$ and $(1, 8)$

$7x + 2y = 23$

7) $(-4, 8)$ and $(-8, 2)$

$3x - 2y = -28$

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1) A line cuts the y-axis at $(0, 1)$ and passes through the point $(3, -2)$. Find the equation of the line.

 $x + y = 1$

2) Find the equation of the line passing through the points $(-7, 3)$ and $(9, -6)$.

 $9x + 16y = -15$