

Equation of a Line

L1S2

Part - A

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

1) $(8, -1)$ and $(-5, 6)$

2) $(4, 2)$ and $(4, 3)$

3) $(-1, 0)$ and $(-6, 9)$

4) $(-5, -8)$ and $(-9, -6)$

5) $(4, 2)$ and $(1, -7)$

7) $(-4, 3)$ and $(5, 2)$

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1) A line cuts the x-axis at $x = 6$ and passes through the point $(-7, 1)$. Find the equation of the line.

2) Find the equation of the line passing through the points $(-1, -5)$ and $(5, 6)$.

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Part - A

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

1) (8, -1) and (-5, 6)

2) (4, 2) and (4, 3)

$7x + 13y = 43$

$x = 4$

3) (-1, 0) and (-6, 9)

4) (-5, -8) and (-9, -6)

$9x + 5y = -9$

5) (4, 2) and (1, -7)

$3x - y = 10$

7) (-4, 3) and (5, 2)

$x + 9y = 23$

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1) A line cuts the x-axis at $x = 6$ and passes through the point $(-7, 1)$. Find the equation of the line.

$x + 13y = 6$

2) Find the equation of the line passing through the points $(-1, -5)$ and $(5, 6)$.

$11x - 6y = 19$