

Equation of a Line

L1S4

Part - A

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

1) $(-9, 2)$ and $(4, 5)$

2) $(3, 8)$ and $(-6, -6)$

3) $(7, 6)$ and $(1, -9)$

4) $(-2, -5)$ and $(0, 8)$

5) $(4, -8)$ and $(-6, 0)$

7) $(-6, -4)$ and $(-1, -3)$

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1) Find the equation of the line passing through the points $(-2, 4)$ and $(-9, 5)$.

2) A line cuts the x-axis at $x = -2$ and passes through the point $(1, 7)$. Find the equation of the line.

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Part - A

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

1) $(-9, 2)$ and $(4, 5)$

$$3x - 13y = -53$$

2) $(3, 8)$ and $(-6, -6)$

$$14x - 9y = -30$$

3) $(7, 6)$ and $(1, -9)$

$$5x - 2y = 23$$

4) $(-2, -5)$ and $(0, 8)$

5) $(4, -8)$ and $(-6, 0)$

$$4x + 5y = -24$$

7) $(-6, -4)$ and $(-1, -3)$

$$x - 5y = 14$$

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1) Find the equation of the line passing through the points $(-2, 4)$ and $(-9, 5)$.

$$\underline{x + 7y = 26}$$

2) A line cuts the x-axis at $x = -2$ and passes through the point $(1, 7)$. Find the equation of the line.

$$\underline{7x - 3y = -14}$$