

**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.

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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  $(5, 6)$ .

**$11x - 6y = 19$**