

**Equation of a Line**

L1S5

**Part - A**

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

1)  $(5, 1)$  and  $(-4, 0)$

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

3)  $(0, 1)$  and  $(4, 4)$

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

5)  $(2, -3)$  and  $(7, -9)$

7)  $(-9, 6)$  and  $(-8, 7)$

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1) A line cuts the y-axis at  $(0, 3)$  and passes through the point  $(-6, -5)$ . Find the equation of the line.

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2) Find the equation of the line passing through the points  $(2, 8)$  and  $(-1, -1)$ .

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## Equation of a Line

L1S5

### Part - A

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

1) (5, 1) and (-4, 0)

$x - 9y = -4$

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

$x = -5$

3) (0, 1) and (4, 4)

$3x - 4y = -4$

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

5) (2, -3) and (7, -9)

$6x + 5y = -3$

7) (-9, 6) and (-8, 7)

$x - y = -15$

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1) A line cuts the y-axis at (0, 3) and passes through the point (-6, -5). Find the equation of the line.

$4x - 3y = -9$

2) Find the equation of the line passing through the points (2, 8) and (-1, -1).

$3x - y = -2$