

**Equation of a Line****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  $(-9, 5)$ .

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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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## 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  $(-6, -6)$

$3x - 13y = -53$

$14x - 9y = -30$

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

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

$5x - 2y = 23$

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  $(-9, 5)$ .

$x + 7y = 26$

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

$7x - 3y = -14$