

Equation of a Line

L1S1

Part - A

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

1) $(1, -6)$ and $(-7, 2)$

2) $(4, 5)$ and $(-3, -1)$

3) $(-7, -9)$ and $(-3, -4)$

4) $(2, -8)$ and $(-6, -3)$

5) $(-9, 6)$ and $(0, 3)$

6) $(3, 0)$ and $(7, 1)$

7) $(8, 5)$ and $(6, -7)$

8) $(2, 1)$ and $(-4, -2)$

Part - B

1) Find the equation of the line passing through the points $(-5, -8)$ and $(6, -4)$.

2) A line cuts the y-axis at $(0, -6)$ and passes through the point $(9, -3)$. 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) (1, -6) and (-7, 2)

$x + y = -5$

2) (4, 5) and (-3, -1)

$6x - 7y = -11$

3) (-7, -9) and (-3, -4)

$5x - 4y = 1$

4) (2, -8) and (-6, -3)

$5x + 8y = -54$

5) (-9, 6) and (0, 3)

$x + 3y = 9$

6) (3, 0) and (7, 1)

$x - 4y = 3$

7) (8, 5) and (6, -7)

$6x - y = 43$

8) (2, 1) and (-4, -2)

$x - 2y = 0$

Part - B

1) Find the equation of the line passing through the points (-5, -8) and (6, -4).

$4x - 11y = 68$

2) A line cuts the y-axis at (0, -6) and passes through the point (9, -3). Find the equation of the line.

$x - 3y = 18$