

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.

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)

$x + y = -5$

$6x - 7y = -11$

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

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

$5x - 4y = 1$

$5x + 8y = -54$

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

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

$x + 3y = 9$

$x - 4y = 3$

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

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

$6x - y = 43$

$x - 2y = 0$

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.

$x - 3y = 18$

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.

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

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)

$7x + 13y = 43$

$x = 4$

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 $(5, 6)$.

$11x - 6y = 19$

Equation of a Line

L1S3

Part - A

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

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

2) $(9, 4)$ and $(-7, 0)$

3) $(-8, 2)$ and $(-2, -5)$

4) $(-5, 3)$ and $(-4, 6)$

5) $(3, 1)$ and $(1, 8)$

7) $(-4, 8)$ and $(-8, 2)$

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1) A line cuts the y-axis at $(0, 1)$ and passes through the point $(3, -2)$. Find the equation of the line.

2) Find the equation of the line passing through the points $(-7, 3)$ and $(9, -6)$.

Equation of a Line

L1S3

Part - A

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

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

2) $(9, 4)$ and $(-7, 0)$

$4x - y = -5$

$x - 4y = -7$

3) $(-8, 2)$ and $(-2, -5)$

4) $(-5, 3)$ and $(-4, 6)$

$7x + 6y = -44$

5) $(3, 1)$ and $(1, 8)$

$7x + 2y = 23$

7) $(-4, 8)$ and $(-8, 2)$

$3x - 2y = -28$

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1) A line cuts the y-axis at $(0, 1)$ and passes through the point $(3, -2)$. Find the equation of the line.

 $x + y = 1$

2) Find the equation of the line passing through the points $(-7, 3)$ and $(9, -6)$.

 $9x + 16y = -15$

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.

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.

$7x - 3y = -14$

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.

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

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).

$3x - y = -2$