



Equation of a Line

Name _____

Score _____

TP:02

Find an equation of a line passes through the given points. Write the equation in standard form.

1) $(4, 7)$ and $(-1, -1)$

2) $(3, -5)$ and $(-4, 8)$

3) $(-2, 0)$ and $(0, 1)$

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

5) $(5, 4)$ and $(-9, 10)$

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

7) $(2, 1)$ and $(8, 10)$

8) $(3, 7)$ and $(-5, -5)$

9) $(-4, 8)$ and $(2, -9)$

10) $(6, -1)$ and $(0, 3)$



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Answer key

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Find an equation of a line passes through the given points. Write the equation in standard form.

1) (4, 7) and (-1, -1)

$$8x - 5y = -3$$

3) (-2, 0) and (0, 1)

$$x - 2y = -2$$

5) (5, 4) and (-9, 10)

$$3x + 7y = 43$$

7) (2, 1) and (8, 10)

$$3x - 2y = 4$$

9) (-4, 8) and (2, -9)

$$17x + 6y = -20$$

2) (3, -5) and (-4, 8)

$$13x + 7y = 4$$

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

$$3x - 2y = 5$$

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

$$x + 4y = -30$$

8) (3, 7) and (-5, -5)

$$3x - 2y = -5$$

10) (6, -1) and (0, 3)

$$2x + 3y = 9$$