



Equation of a Line

Name _____

Score _____

TP:03

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

1) $(-6, 2)$ and $(0, 5)$

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

3) $(-9, -6)$ and $(4, 1)$

4) $(10, 11)$ and $(7, 8)$

5) $(0, -2)$ and $(3, 1)$

6) $(3, -4)$ and $(-1, 0)$

7) $(5, -6)$ and $(-7, 9)$

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

9) $(-1, -8)$ and $(-10, -9)$

10) $(8, 5)$ and $(2, -5)$



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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) $(-6, 2)$ and $(0, 5)$

$$x - 2y = -10$$

3) $(-9, -6)$ and $(4, 1)$

$$7x - 13y = 15$$

5) $(0, -2)$ and $(3, 1)$

$$x - y = 2$$

7) $(5, -6)$ and $(-7, 9)$

$$x + y = -4$$

9) $(-1, -8)$ and $(-10, -9)$

$$x - 9y = 71$$

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

$$2x - y = 3$$

4) $(10, 11)$ and $(7, 8)$

$$x - y = -1$$

6) $(3, -4)$ and $(-1, 0)$

$$x + y = -1$$

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

$$5x + 4y = 1$$

10) $(8, 5)$ and $(2, -5)$

$$5x - 3y = 25$$