



# Equation of a Line

Name \_\_\_\_\_

Score \_\_\_\_\_

TP:01

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

1)  $(2, -3)$  and  $(6, 5)$

2)  $(-1, 4)$  and  $(-2, 0)$

3)  $(8, 10)$  and  $(-5, -8)$

4)  $(6, 6)$  and  $(0, 0)$

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

6)  $(7, 9)$  and  $(1, -2)$

7)  $(-6, 4)$  and  $(1, 1)$

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

9)  $(2, -7)$  and  $(-3, -4)$

10)  $(1, 3)$  and  $(5, 0)$



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## Answer key

TP:01

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

1) (2, -3) and (6, 5)

$$2x - y = 7$$

3) (8, 10) and (-5, -8)

$$18x - 13y = 14$$

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

$$8x - 7y = -3$$

7) (-6, 4) and (1, 1)

$$3x + 7y = 10$$

9) (2, -7) and (-3, -4)

$$3x + 5y = -29$$

2) (-1, 4) and (-2, 0)

$$4x - y = -8$$

4) (6, 6) and (0, 0)

$$-6x + 6y = 0$$

6) (7, 9) and (1, -2)

$$11x - 6y = 23$$

8) (-5, 0) and (0, -8)

$$8x + 5y = -40$$

10) (1, 3) and (5, 0)

$$3x + 4y = 15$$