



Equation of a Line

Name _____

Score _____

TP:04

Find an equation of a line passes through the given points. Express the equation in slope-intercept form.

1) (6, 5) and (8, 10)

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

3) (0, -4) and (9, 0)

4) (6, -5) and (7, 7)

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

6) (6, 10) and (8, 9)

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

8) (3, 3) and (4, 4)

9) (9, -13) and (0, 5)

10) (6, 1) and (-6, -4)



Equation of a Line

Name _____

Score _____

Answer key

TP:04

Find an equation of a line passes through the given points. Express the equation in slope-intercept form.

1) (6, 5) and (8, 10)

$$y = \frac{5}{2}x - 10$$

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

$$y = -x - 3$$

3) (0, -4) and (9, 0)

$$y = \frac{4}{9}x - 4$$

4) (6, -5) and (7, 7)

$$y = 12x - 77$$

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

$$y = -4x - 8$$

6) (6, 10) and (8, 9)

$$y = -\frac{1}{2}x + 13$$

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

$$y = -2x$$

8) (3, 3) and (4, 4)

$$y = x$$

9) (9, -13) and (0, 5)

$$y = -2x + 5$$

10) (6, 1) and (-6, -4)

$$y = \frac{5}{12}x - \frac{3}{2}$$