

## Equation of a Line | Two-intercept Form

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Express the equation of the line in two-intercept form.

1)  $3x + y = 15$

2)  $y + 20 = 2(x + 11)$

3)  $\frac{16}{4-x} = \frac{8}{9-y}$

4)  $14 - 6y = x + 20$

5)  $y - 6 = 3(x - 9)$

6)  $2x = 6 + 6y$

7)  $-9y = -3x + 18$

8)  $8y - 8 = -4x$

9)  $1 - y = -\frac{x}{5}$

10)  $y = -7x - 14$

# Equation of a Line | Two-intercept Form

Answer key

Express the equation of the line in two-intercept form.

1)  $3x + y = 15$

$$\frac{x}{5} + \frac{y}{15} = 1$$

2)  $y + 20 = 2(x + 11)$

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

3)  $\frac{16}{4-x} = \frac{8}{9-y}$

$$\frac{x}{-14} + \frac{y}{7} = 1$$

4)  $14 - 6y = x + 20$

$$\frac{x}{-6} + \frac{y}{-1} = 1$$

5)  $y - 6 = 3(x - 9)$

$$\frac{x}{7} + \frac{y}{-21} = 1$$

6)  $2x = 6 + 6y$

$$\frac{x}{3} + \frac{y}{-1} = 1$$

7)  $-9y = -3x + 18$

$$\frac{x}{6} + \frac{y}{-2} = 1$$

8)  $8y - 8 = -4x$

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

9)  $1 - y = -\frac{x}{5}$

$$\frac{x}{-5} + \frac{y}{1} = 1$$

10)  $y = -7x - 14$

$$\frac{x}{-2} + \frac{y}{-14} = 1$$