

x-intercept and y-intercept

Find the x -intercept and y -intercept for each equation.

1) $5x + 3y = 15$

x -intercept = _____

y -intercept = _____

2) $6x = -12$

x -intercept = _____

y -intercept = _____

3) $y = -5x + 20$

x -intercept = _____

y -intercept = _____

4) $2(10x + 8) = 14y$

x -intercept = _____

y -intercept = _____

5) $2x - 7y + 14 = 0$

x -intercept = _____

y -intercept = _____

6) $x - 2 = 2(y - 5)$

x -intercept = _____

y -intercept = _____

7) $-11x - 13y = 0$

x -intercept = _____

y -intercept = _____

8) $x + 9(-x + 2y) = -8$

x -intercept = _____

y -intercept = _____

x-intercept and y-intercept

Answer key

Find the x -intercept and y -intercept for each equation.

1) $5x + 3y = 15$

x -intercept = 3

y -intercept = 5

2) $6x = -12$

x -intercept = -2

y -intercept = 0

3) $y = -5x + 20$

x -intercept = 4

y -intercept = 20

4) $2(10x + 8) = 14y$

x -intercept = $-\frac{4}{5}$

y -intercept = $\frac{8}{7}$

5) $2x - 7y + 14 = 0$

x -intercept = -7

y -intercept = 2

6) $x - 2 = 2(y - 5)$

x -intercept = -8

y -intercept = 4

7) $-11x - 13y = 0$

x -intercept = 0

y -intercept = 0

8) $x + 9(-x + 2y) = -8$

x -intercept = 1

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