

Homework 10.2

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Find the slope, x-intercept, and y-intercept of the following.

1) $5x - y = 3$

2) $x + 5y = -15$

Name the x- and y-intercepts.

3) $x = 0$

4) $y = 2$

Determine the y-intercept of each graph.

5) $14x + 16 = -8y$

6) $0 = -y + 2 - 7x$

Solve each equation for the indicated variable.

7) $I = Per^t$, solve for P

8) $d - 4ac = b^2$, solve for d

Answers to Homework 10.2

- 1) $m = 5$, $b = -3$, $x\text{-int} = \frac{3}{5}$ 2) $m = -\frac{1}{5}$, $b = -3$, $x\text{-int} = -15$ 3) $x\text{-int} = 0$, $y = \text{All Real Numbers}$
- 4) no $x\text{-int}$, $b = 2$ 5) $b = -2$ 6) $b = 2$ 7) $\frac{I}{er^t} = P$ 8) $d = b^2 + 4ac$