

Quiz 10.3

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

1) $5x + 10y = 30$

A) $m = -\frac{1}{2}$, $x = 6$, $y = 3$

B) $m = -2$, $x = -6$, $y = 3$

C) $m = \frac{1}{2}$, $x = -6$, $y = 3$

D) $m = -\frac{1}{2}$, $x = 6$, $y = 30$

Name the x and y-intercepts

2) $y = 3$

3) $x = 9$

A) $x = 3$, $y = \text{none}$

B) $x = 3$, $y = 3$

C) $x = \text{none}$, $y = 3$

D) $x = \text{none}$, $y = -3$

A) $x = 9$, $y = \text{none}$

B) $x = \text{none}$, $y = 9$

C) $x = -9$, $y = \text{none}$

D) $x = 9$, $y = 9$

Determine the y-intercept of the graph of each equation.

4) $-2y + 8 = -4x$

5) $8x = 5y - 25$

A) $y = 2$ B) $y = 8$

C) $y = -4$ D) $y = 4$

A) $y = 5$ B) $y = -5$

C) $y = \frac{8}{5}$ D) $y = \frac{25}{8}$

Solve each equation for the indicated variable.

6) $A = \pi rh + C$, solve for C

A) $\{A + \pi rh = C\}$

B) $\{A - \pi rh = C\}$

C) $\{A \cdot \pi rh = C\}$

D) $\{\frac{A}{\pi rh} = C\}$