

Quiz 10.2

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

1) $3x - 2y = 12$

A) $m = -\frac{3}{2}$, $x = -4$, $y = 6$

B) $m = \frac{3}{2}$, $x = 4$, $y = 12$

C) $m = -\frac{3}{2}$, $x = 4$, $y = -6$

D) $m = \frac{3}{2}$, $x = 4$, $y = -6$

Name the x and y-intercepts

2) $y = 5$

3) $x = -11$

A) $x = -5$, $y = \text{none}$

B) $x = 5$, $y = 5$

C) $x = \text{none}$, $y = 5$

D) $x = \text{none}$, $y = -5$

A) $x = -11$, $y = \text{none}$

B) $x = \text{none}$, $y = -11$

C) $x = 11$, $y = \text{none}$

D) $x = -11$, $y = -11$

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

4) $-y - 2 + x = 0$

5) $5 - 2y - x = 0$

A) $y = 1$ B) $y = -1$

C) $y = 2$ D) $y = -2$

A) $y = -\frac{5}{2}$ B) $y = \frac{5}{2}$

C) $y = -2$ D) $y = 2$

Solve each equation for the indicated variable.

6) $M + n = 3z + 10$, solve for z

A) $\{\frac{M + n + 10}{3} = z\}$

B) $\{3(M + n - 10) = z\}$

C) $\{\frac{M + n - 10}{3} = z\}$

D) $\{3(M + n + 10) = z\}$