

Mid Module 1 - Assessment Review

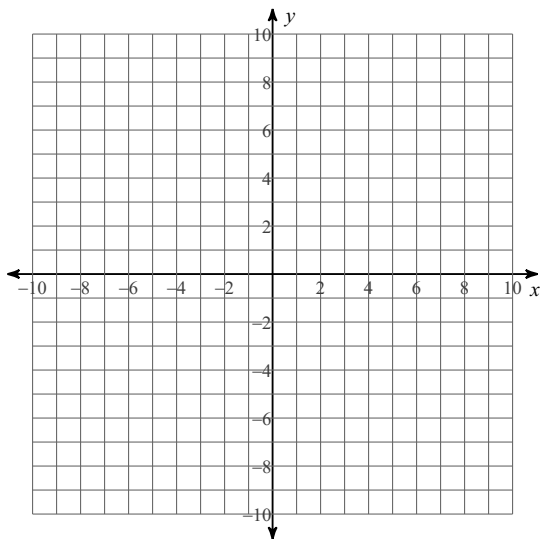
Date _____ Period _____

Solve the following system of Linear Equations by Elimination

$$\begin{aligned} 1) \quad & -4x - 36y = 5 \\ & x + 9y = -1 \end{aligned}$$

Solve the following system of Linear equations Algebraically and Graphically

$$\begin{aligned} 2) \quad & y = -3x - 4 \\ & y = \frac{1}{3}x + 6 \end{aligned}$$

**Solve each equation.**

$$3) \quad -2(4k - 2) = 4 - k$$

$$4) \quad -9(-4v - 4) = -5(1 + v)$$

5) $z = xm - y$, for x

6) $z = ma + ba$, for a

7) $\frac{3}{x-2} = \frac{2}{x+1}$

Circle the ordered pairs that are solutions to the following equation. Justify your answers by showing your work.

8) $y = \frac{x-6}{x+6}$

- A) $(-6, 0)$ B) $(0, -6)$
C) $(0, -1)$ D) $(6, 0)$