

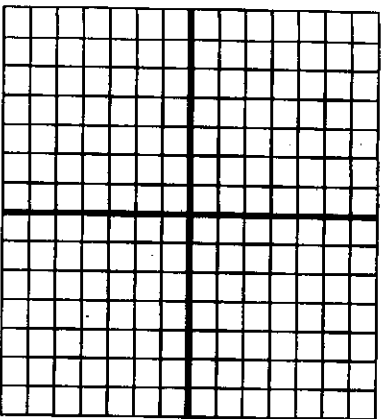
Algebra 2 Quiz Sections 3.1 & 3.2

Name: _____

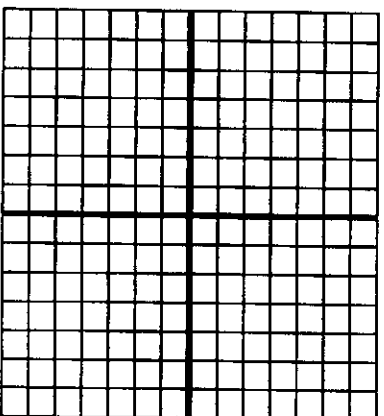
Period: _____

Solve the following systems of equations using **graphing**. Check your solution.

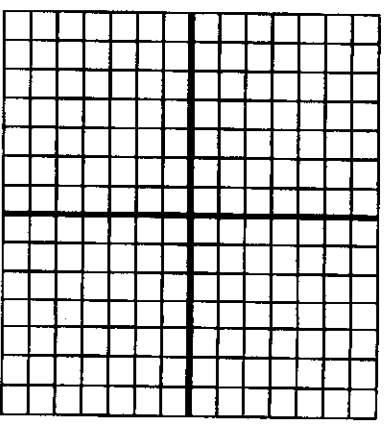
1.
$$\begin{cases} x + y = 6 \\ 3x - 4y = 4 \end{cases}$$



2.
$$\begin{cases} x + y = 7 \\ 2x + y = 5 \end{cases}$$



3.
$$\begin{cases} 2y + x + 4 = 0 \\ -x = -8 + 2y \end{cases}$$



Solve the following systems of equations using **substitution**. Check your solution.

4.
$$\begin{cases} y = 2x - 4 \\ 7x - 5y = 14 \end{cases}$$

5.
$$\begin{cases} 2x - 3y + 4z = 8 \\ 3x + 2y = 7 \\ x = 1 \end{cases}$$

6.
$$\begin{cases} 2y - 6x = -24 \\ 2x + 3y = -3 \end{cases}$$

Solve the following systems of equations using **elimination**. Check your solution.

7.
$$\begin{cases} 2y - x = 12 \\ 6y + x = 20 \end{cases}$$

8.
$$\begin{cases} 2x = 1 + 5y \\ -4y + 3x = -2 \end{cases}$$

9.
$$\begin{cases} 2y = -4x - 8 \\ 2x + y = -4 \end{cases}$$
