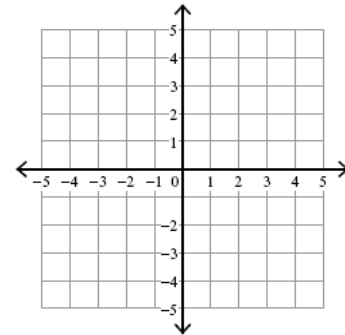
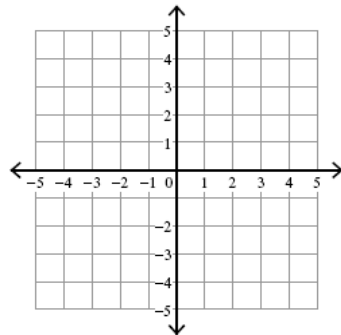
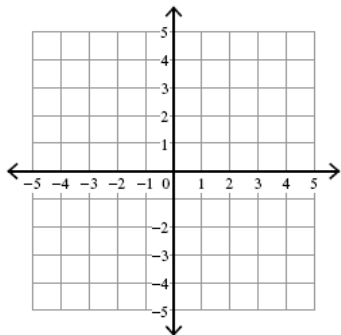
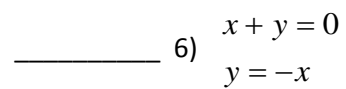
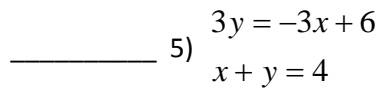
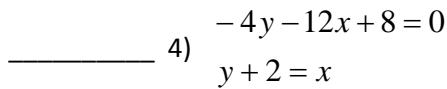
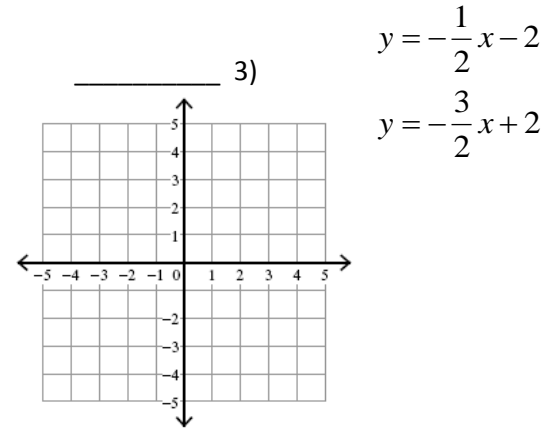
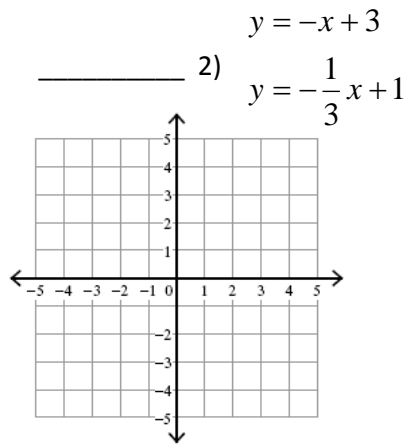
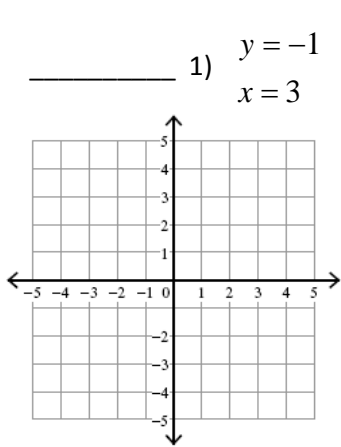
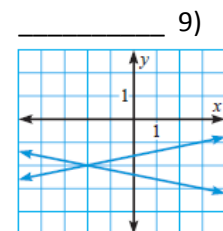
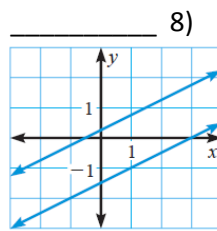
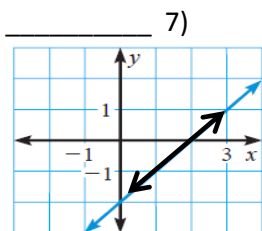


“PRACTICE” QUIZ 1... Solving Linear Systems of Equations by Graphing and Algebraically

Section 1: Graph each system and identify the solution.



Section 2: Given the graph of a system of equations, identify the solution.



Section 3: Decide whether the ordered pair is a solution the system of linear equations. Write Yes or No.

_____ 10) System: $4x + y = -4$ Solution: $(-1, 0)$
 $-x - y = 1$

Section 4: Solve each system using the "Substitution Method." Check your answers!

_____ 11) $x + y = 8$
 $y = 3x$

_____ 12) $y = 5 - 2x$
 $3x - 2y = 11$

_____ 13) $x = -4$
 $-2x - y = 18$

_____ 14) $4x - y = 11$
 $2x + 2y = 18$

Section 5: Solve each system using the "Combinations / Elimination Method." Check your answers!

_____ 15) $x - y = 4$
 $x + y = 10$

_____ 16) $x - y = -5$
 $x + 2y = 4$

_____ 17) $7x + 2y = 10$
 $-14x + 2y = -32$

_____ 18) $\frac{2}{3}x = -70 + y$
 $\frac{1}{3}x - \frac{2}{3}y = 43$

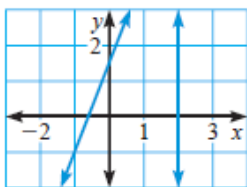
Section 6: Short Answer. Use complete sentences.

19) Find and describe the error in the following "combinations / elimination" work.

Response:

$$\begin{array}{r} x + y = 1 \rightarrow 10x + 10y = 10 \\ 5x + 4y = 14 \rightarrow -10x + 8y = -28 \\ \hline 18y = -18 \\ y = -1 \end{array}$$

20) How many answers does the following system of equations have? One, two, none, or infinitely many? Explain your answer.



Response: