

Integrated Algebra Practice: A.G.7 #3

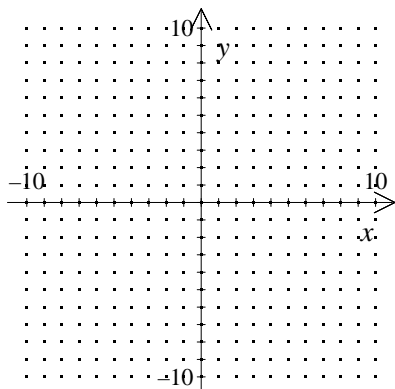
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P.I. A.G.7: Graph and solve systems of linear equations and inequalities with rational coefficients in two variables

Graph:

1. $x + 2y = -8$

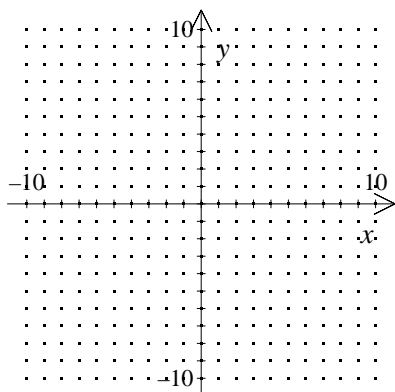
$3y - x = -3$



[1]

2. $x + 3y = 9$

$2y - x = 2$

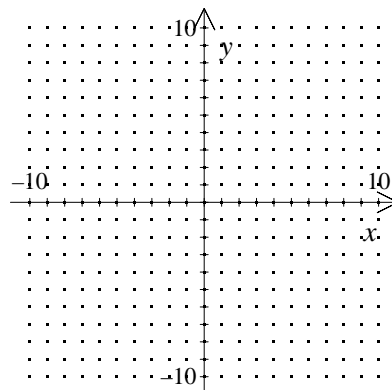


[2]

NAME: _____

3. $x + 4y = 8$

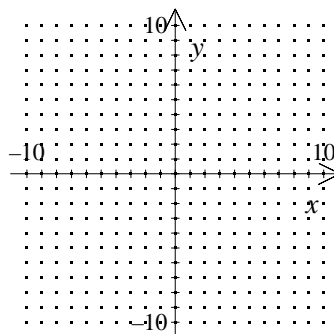
$2y - x = -6$



[3]

4. $x + y = 3$

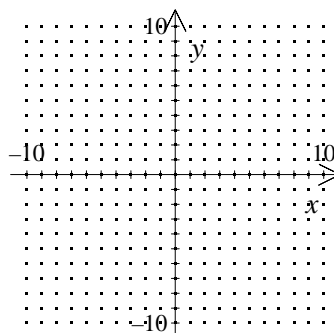
$2x - y = -9$



[4]

5. $x + y = 3$

$3x - y = -7$

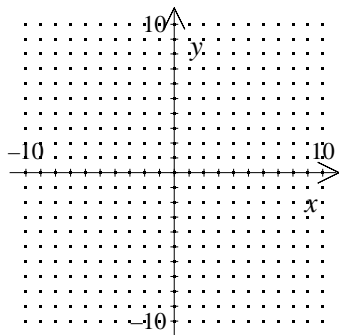


[5]

NAME: _____

Graph:

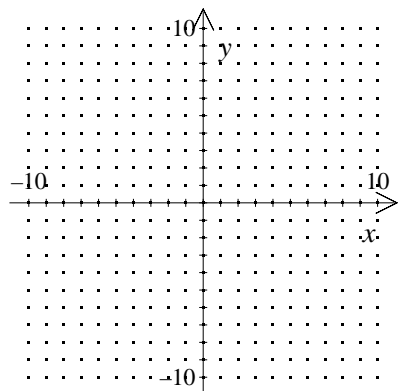
$$\begin{aligned} 6. \quad x + y &= -1 \\ 3x - y &= -7 \end{aligned}$$



[6] _____

7. Find the solution to the system by graphing.

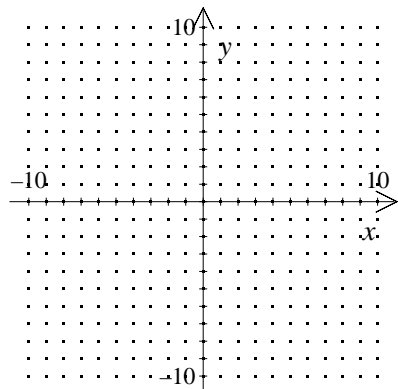
$$\begin{aligned} x + y &= -6 \\ 2x - y &= -6 \end{aligned}$$



[7] _____

8. Find the solution to the system by graphing.

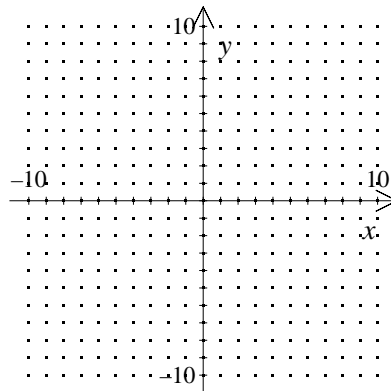
$$\begin{aligned} x + y &= -3 \\ 3x - y &= -5 \end{aligned}$$



[8] _____

9. Find the solution to the system by graphing.

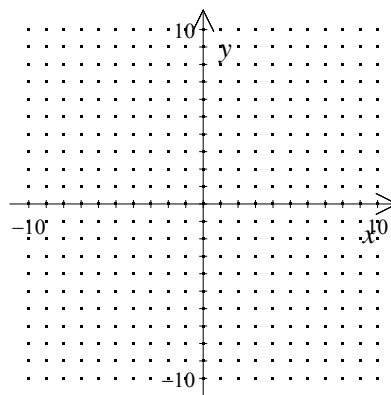
$$\begin{aligned} x + y &= 0 \\ 4x - y &= -5 \end{aligned}$$



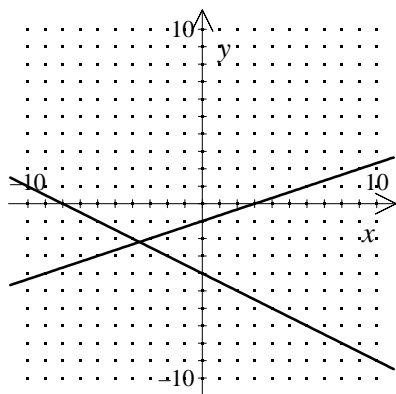
[9] _____

10. Use a graphing calculator to solve the system of linear equations below by graphing. Sketch the graph on your paper.

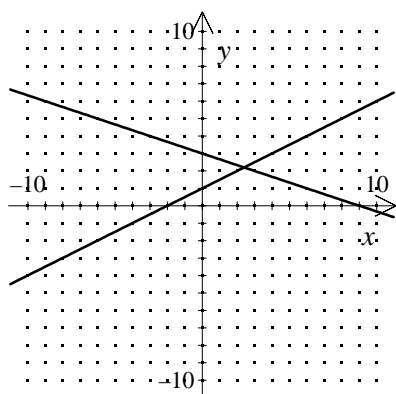
$$\begin{aligned} 5x - y &= 4 \\ 4x + 2y &= 6 \end{aligned}$$



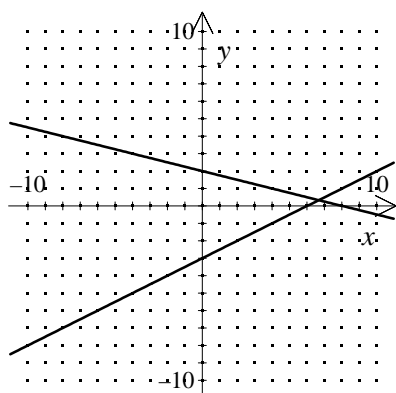
[10] _____



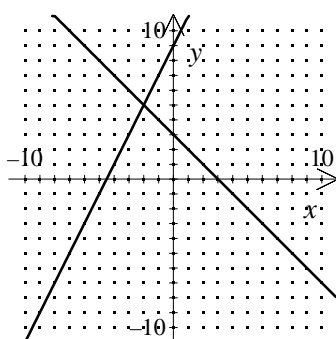
[1]



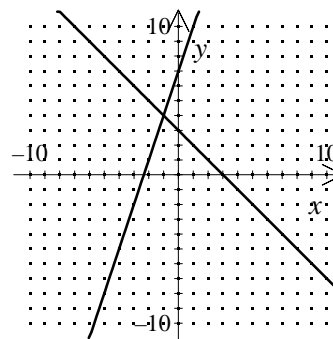
[2]



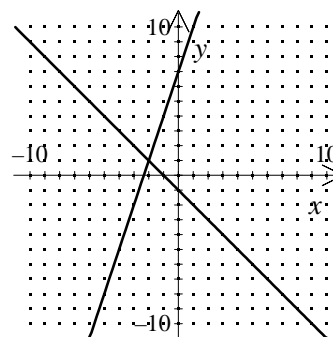
[3]



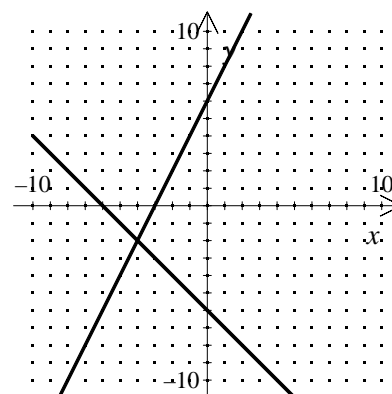
[4]



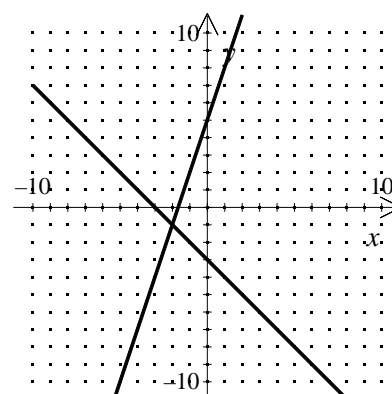
[5]



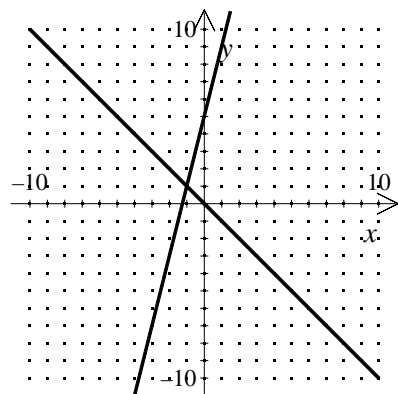
[6]



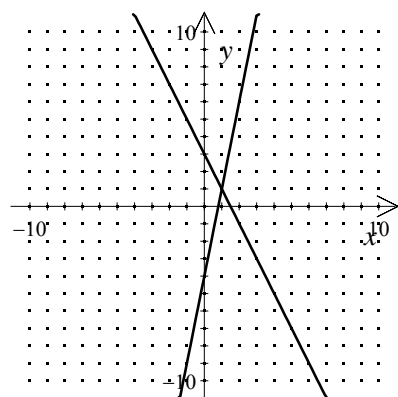
[7] $(-4, -2)$



[8] $(-2, -1)$



[9] $(-1, 1)$



[10] $(1, 1)$
