A

Kuta Software - Infinite Pre-Algebra Name_____

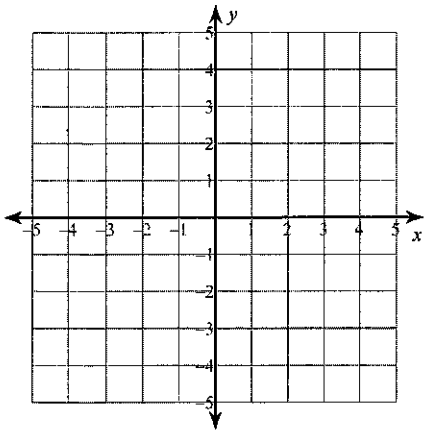
Solving Systems of Equations by Graphing

Date_____ Period____

Solve each system by graphing.

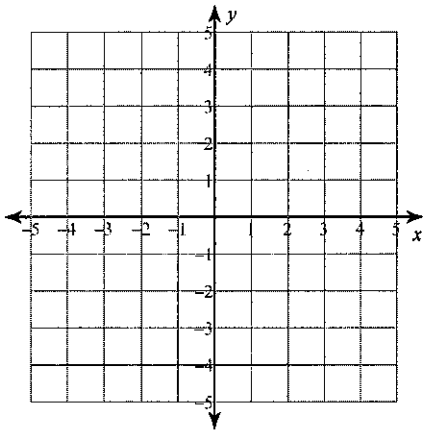
1) $y = \frac{1}{3}x - 4$

$y = -\frac{7}{3}x + 4$



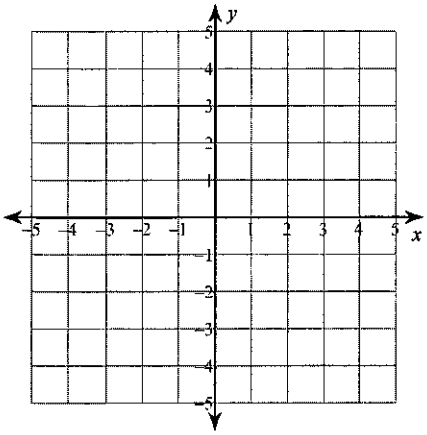
2) $y = \frac{1}{3}x + 3$

$y = 2x - 2$



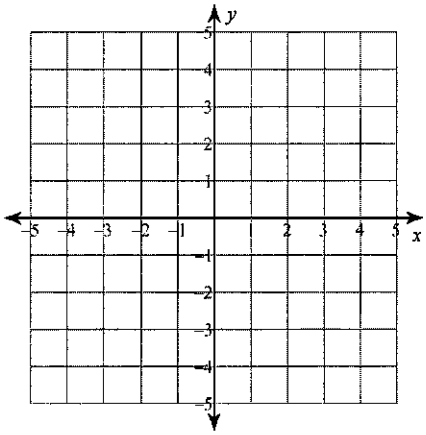
3) $y = -7x - 3$

$y = 4$



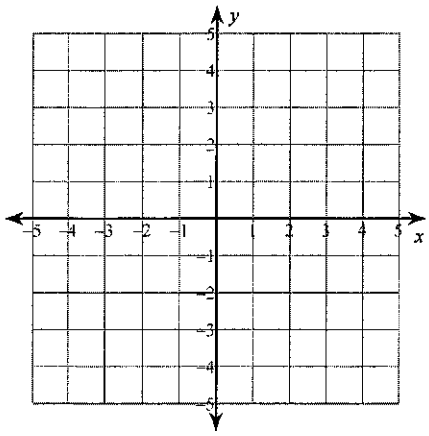
4) $y = -\frac{2}{3}x - 2$

$y = -\frac{8}{3}x + 4$



5) $y = -\frac{2}{3}x - 3$

$y = -\frac{2}{3}x + 4$



6) $y = -6x - 3$

$y = -x + 2$

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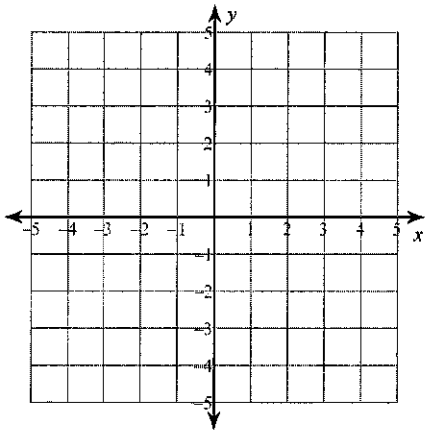
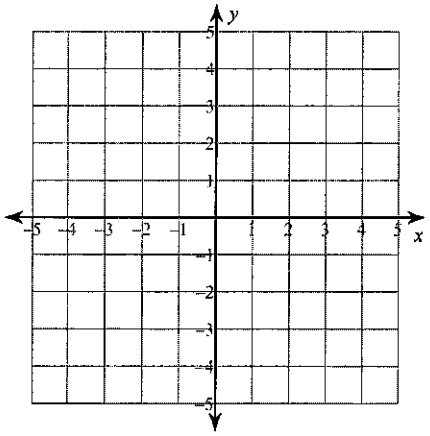


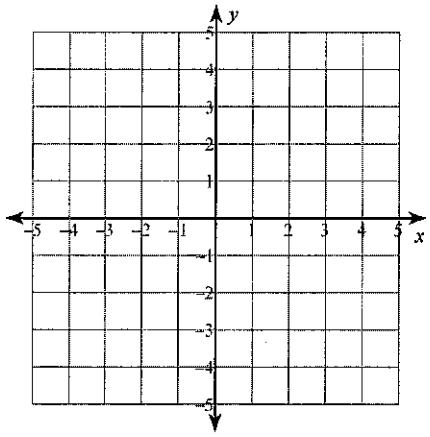
7) $y = -\frac{3}{4}x + 4$

$y = \frac{1}{2}x - 1$



8) $y = \frac{5}{2}x - 4$

$y = -x + 3$



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Kuta Software - Infinite Algebra 1 Name_____

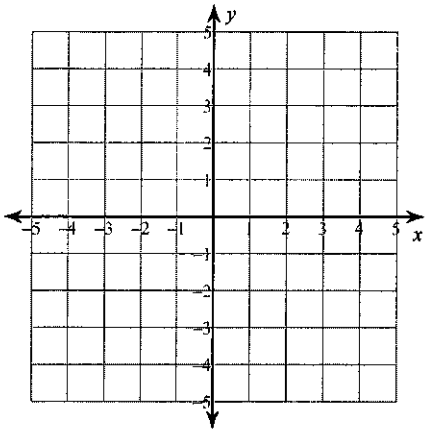
Solving Systems of Equations by Graphing

Date_____ Period____

Solve each system by graphing.

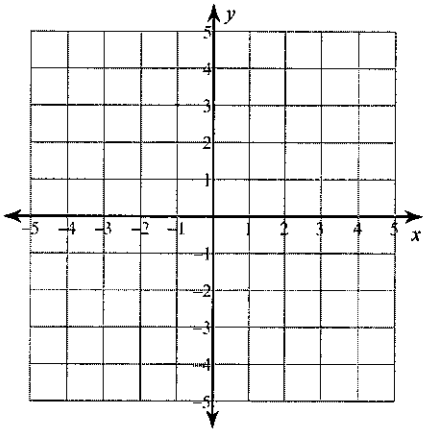
1) $5x + 3y = 9$

$-x + 3y = -9$



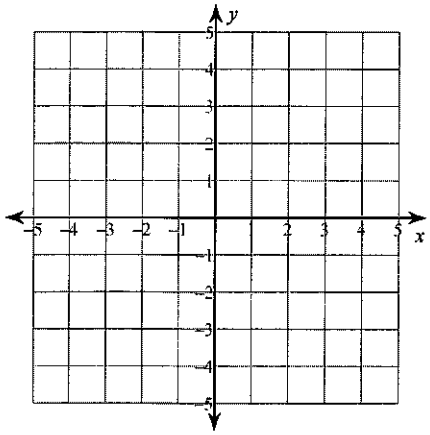
2) $y = 4x + 3$

$y = -x - 2$



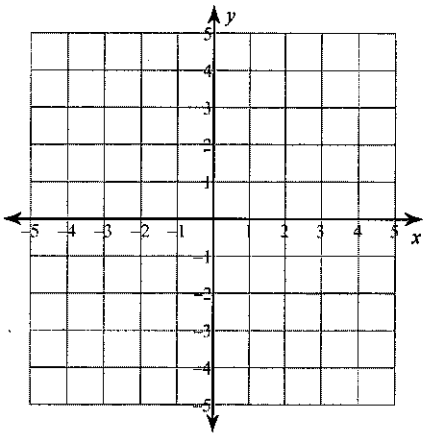
3) $y = -\frac{1}{2}(x-2) - 5$

$y = \frac{1}{4}(x-4) - 3$



4) $y = -1$

$y = -\frac{5}{2}x + 4$



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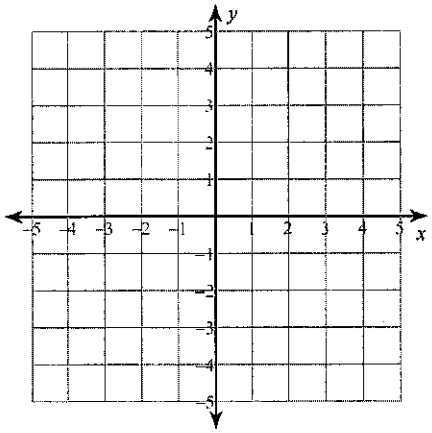
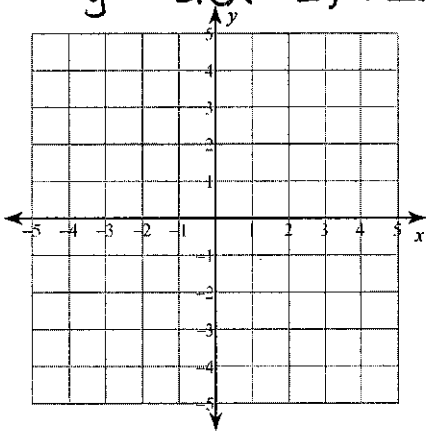
5) $-3x+y=-4$

$x+2y=6$



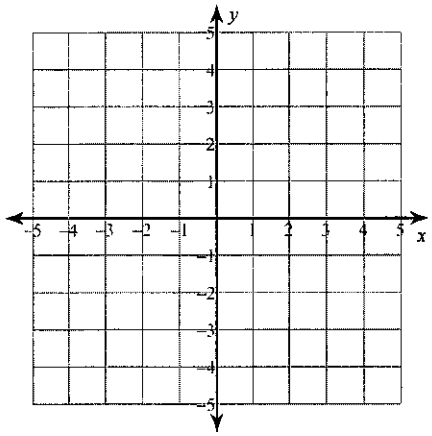
6) $y=-2(x+1)+4$

$y=-2(x+2)+2$



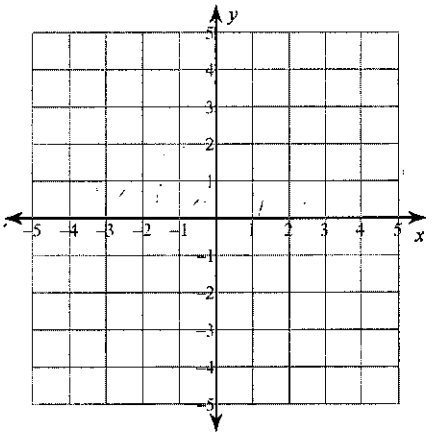
7) $y=-\frac{1}{2}x-2$

$y=-\frac{3}{2}x+2$



8) $y=\frac{1}{3}x-3$

$y=-x+1$



 Name_____

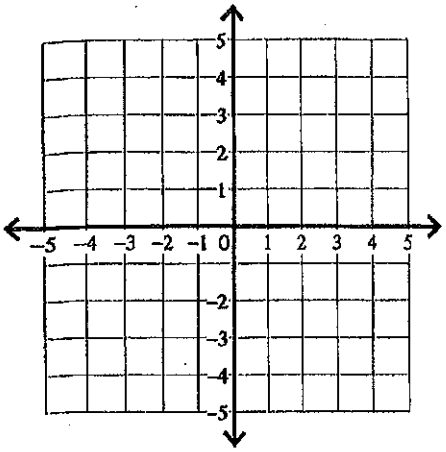
Solving Systems of Equations by Graphing

A Date_____ Period____

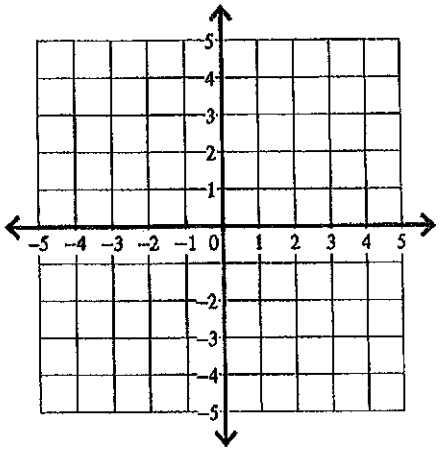
Packet # 2

Solve each system by graphing.

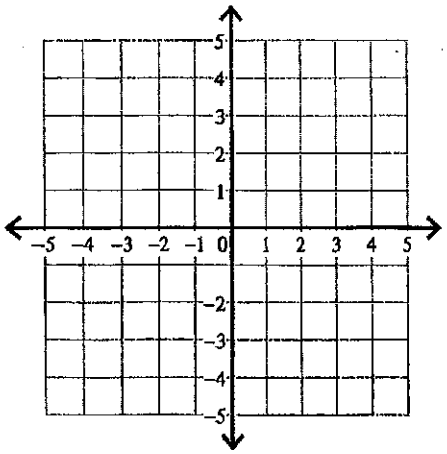
1) $y = 3(x-2) + 2$
$y = -3(x-2) - 4$



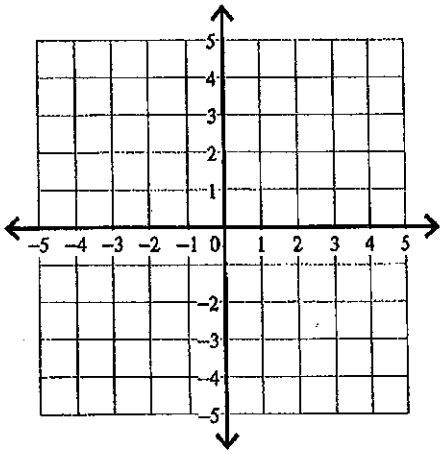
2) $y = \frac{4}{3}x + 3$
$y = -\frac{2}{3}x - 3$



3) $y = \frac{5}{4}(x+2)$
$y = \frac{5}{4}(x+1)$

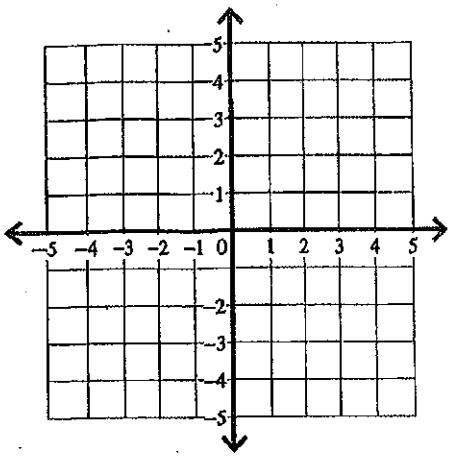


4) $y = \frac{1}{3}(x-3) + 3$
$y = -x - 2$

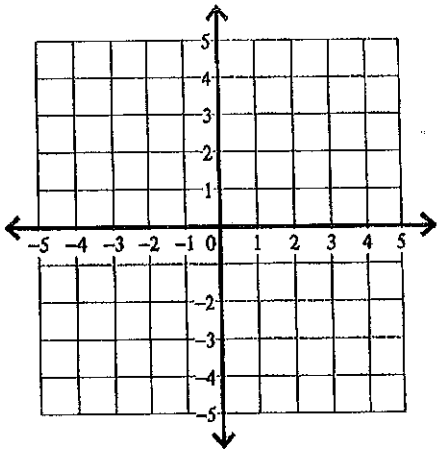


5) $y = -\frac{3}{2}x - 4$

$y = \frac{1}{2}x + 4$



$y = -x + 4$



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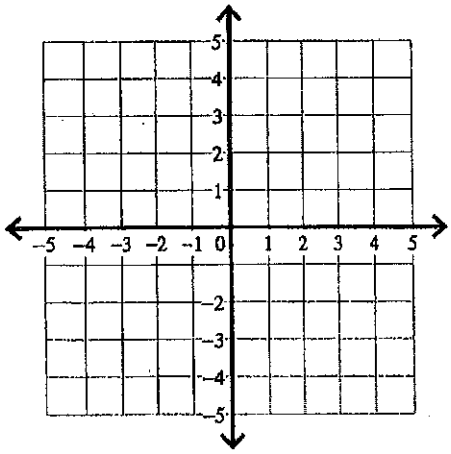
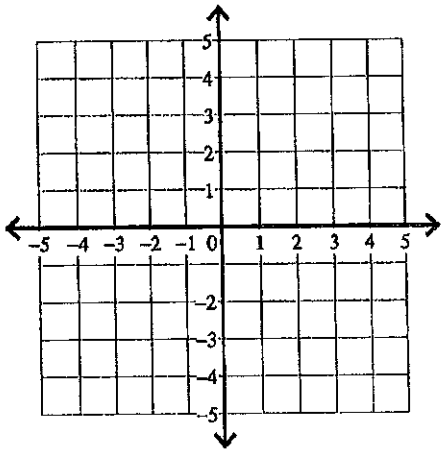
7) $y = \frac{3}{4}x + 1$

$y = -\frac{1}{2}x - 4$



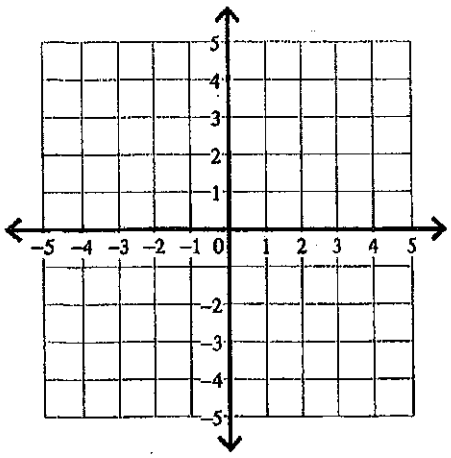
8) $y = -\frac{3}{2}x - 3$

$y = -\frac{1}{2}(x-4) - 1$



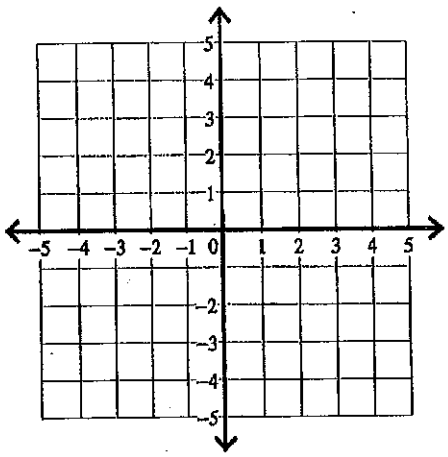
9) $y = 1(x-1) - 3$

$y = -x + 2$



10) $y = 3x + 4$

$y = -x - 4$



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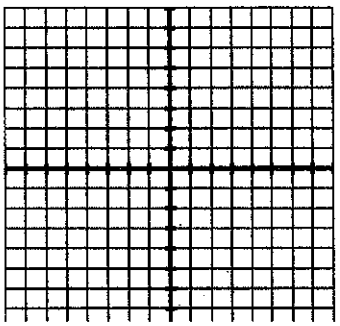
Unit 4 Packet 1

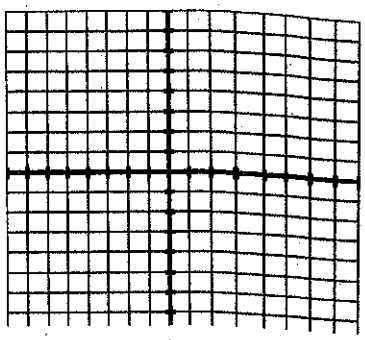
Alg II Solving systems by graphing Show all calculations.

Solve the following by graphing. Write the solution on the line if there is one.

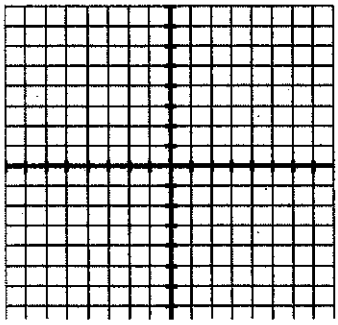
1. $\begin{cases} y = 2x + 1 \\ y = -\frac{1}{2}x + 6 \end{cases}$



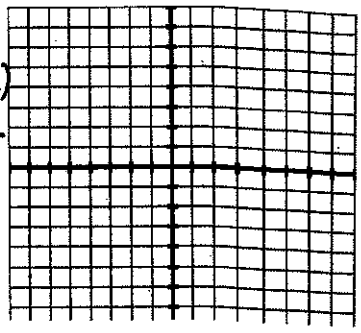
2. $\begin{cases} x = 2 \\ y = 4x - 5 \end{cases}$



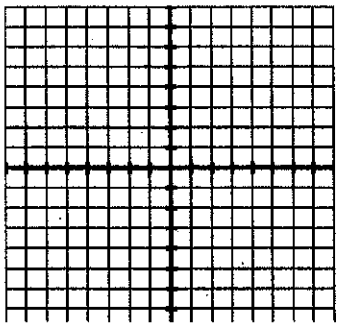
3. $\begin{cases} 3x + 2y = 6 \\ y = (-3/2)x - 3 \end{cases}$



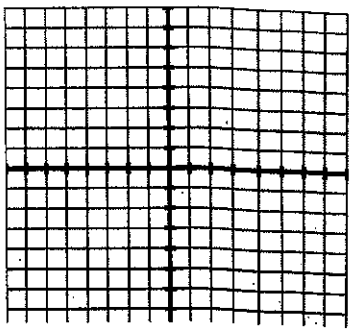
4. $\begin{cases} y = 2 \\ y = -3(x-2) \end{cases}$ -2



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



6. $\begin{cases} -x + 4y = -12 \\ y = \frac{1}{4}x - 3 \end{cases}$



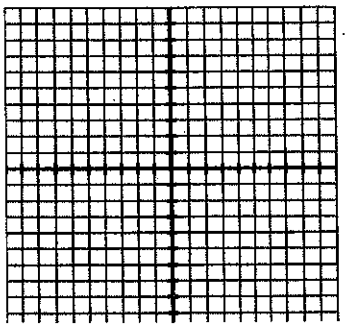
9. Determine whether (3, -5) is a solution to the system. Include calculations.

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

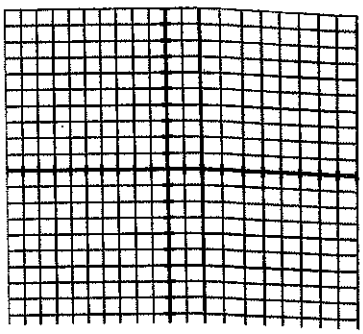
10. How can you tell from looking at a graph of a system of equations that it has no solution?

Use two different colored writing utensils to graph the following systems. Indicate which color goes with which equation, please. Write the solution, if there is one, as an ordered pair on the line provided.

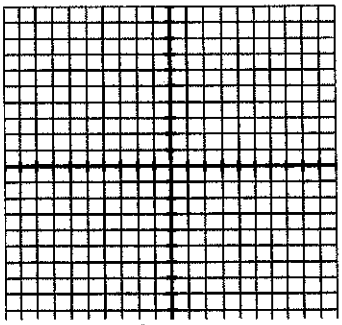
11. $y = 2x - 3$
$y = -x + 3$
Solution _____



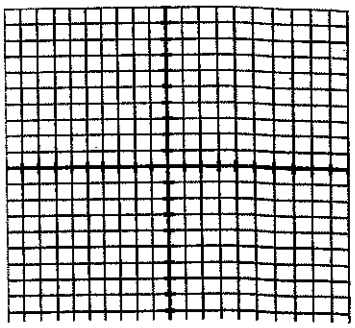
12. $4x = -8$
$y = \frac{1}{2}x + 2$
Solution _____



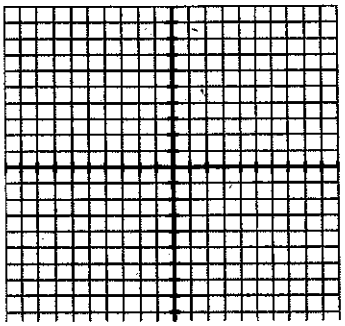
13. $x + 2y = 4$
$y = -2$
Solution _____



14. $y = 3x + 2$
$6x - 2y = 6$
Solution _____



15. $y = (-2/3)x + 1$
$2x + 3y = 3$
Solution _____



16. $x + 2 = 0$
$5y = -10$
Solution _____