

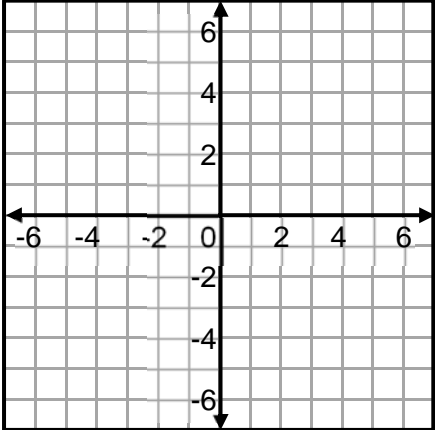
Name: _____ Per: _____

Systems of Equations Review (Vegan)

⚠ YOU MUST SHOW WORK ON ALL QUESTIONS TO RECEIVE CREDIT ⚠



I am the one whom watches. – Abe

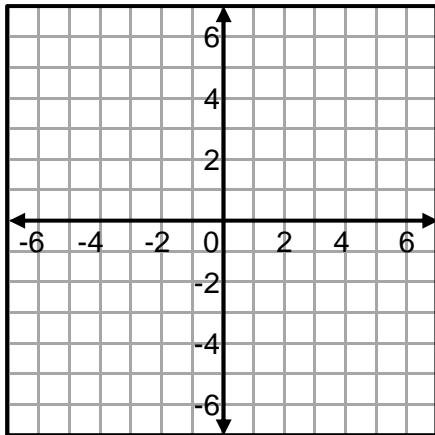
<p>Write the equation in $y = mx + b$ form.</p> <p>1. $m = 3, b = -5$</p> <p>$y =$</p> <p>2. $m = \frac{1}{4}, b = 1$</p> <p>$y =$</p> <p>3. $m = 0, b = 8$</p> <p>$y =$</p>	<p>Find the slope and y-intercept.</p> <p>4. $y = \frac{7}{4}x + 10$</p> <p>$m =$ $b =$</p> <p>5. $y = x - 12$</p> <p>$m =$ $b =$</p> <p>6. $y = \frac{-3}{5}x$</p> <p>$m =$ $b =$</p>	<p>7. Graph the equation below.</p> $y = \frac{1}{4}x + 1$ <p>Hint: You can use "m" and "b" to help.</p> <p>$m =$ $b =$</p> 
<p>8. Solve the equation for y, putting it into $y = mx + b$ slope-intercept form.</p> $-4y + 10 = 8x + 14$	<p>9. Solve the equation for y, putting it into $y = mx + b$ slope-intercept form.</p> $y = 6(3x + 9) + 1$	<p>10. Tell whether the system has one solution, no solution, or infinite solutions.</p> $y = -3x - 1$ $y = -3x - 9$ <p><u>Circle One</u></p> <p>A) One Solution</p> <p>B) No Solutions</p> <p>C) Infinite Solutions</p>

Note: When solving a system Algebraically, you will get partial credit points. The solution will be a coordinate.

11. Graph the system of equations.
State the solution below (as a point).

$$y = -3x + 5 \text{ and } y = \frac{2}{3}x - 6$$

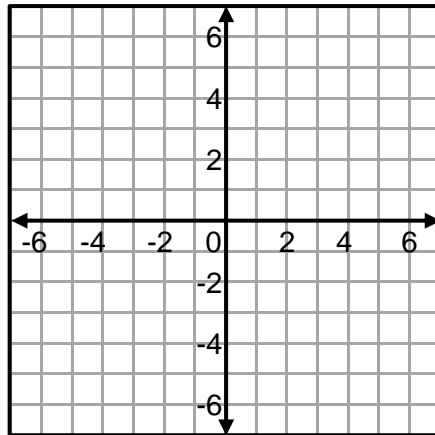
Solution (,)



12. Graph the system of equations.
State the solution below (as a point).

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

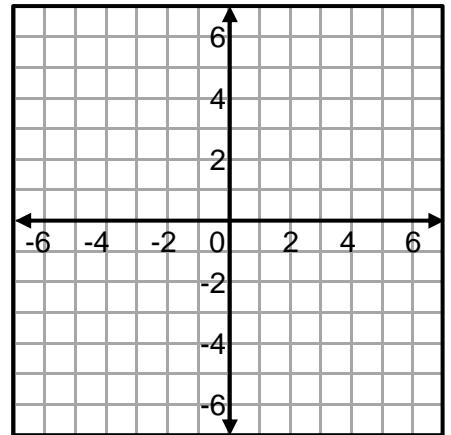
Solution (,)



13. Graph the system of equations.
State the solution below (as a point).

$$y = -2x \text{ and } y = x + 3$$

Solution (,)



14. Solve the system ALGEBRAICALLY.

$$y = 4x + 10$$

$$y = 2x + 8$$

Solution (,)

15. Solve the system ALGEBRAICALLY.

$$y = 6x$$

$$y = x - 10$$

Solution (,)

16. Solve the system ALGEBRAICALLY.

$$5x + 2y = 12$$

$$y = x - 1$$

Solution (,)

Note: When solving a system Algebraically, you will get partial credit points. The solution will be a coordinate.