AA – WS 6.1 (day 2)
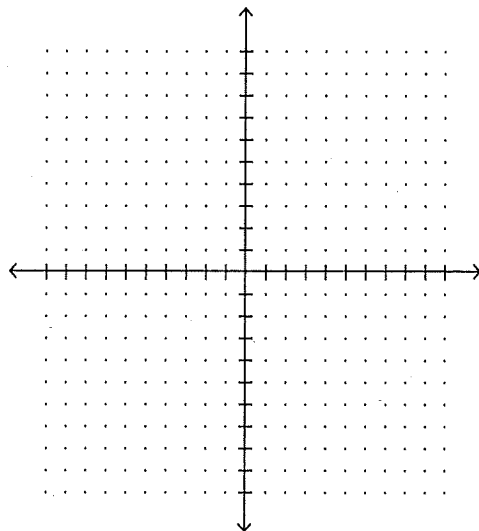
Name: _____

Solve each system by graphing.
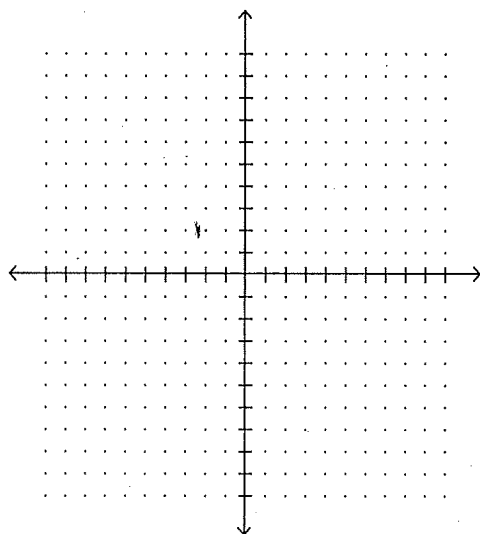
1. $y = 2x$
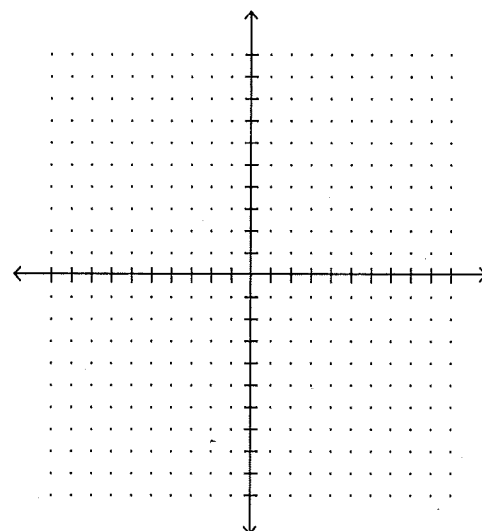
   $y = -2x + 8$

   Solution:

   _____

2. $y = x - 4$

   $y = -x$

   Solution:

   _____

3. $y = x - 4$

   $-2y = -2x - 2$

   Solution:

   _____

4. $x = -3$

   $y = -5$

   Solution:

   _____
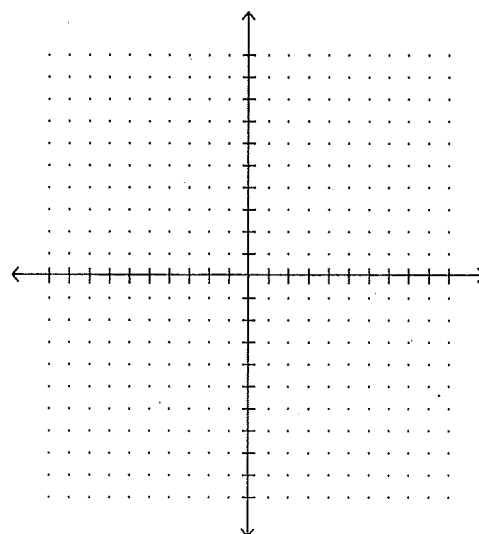
5. $y = 2x - 2$ Solution: _____

    $2y = 4x - 4$
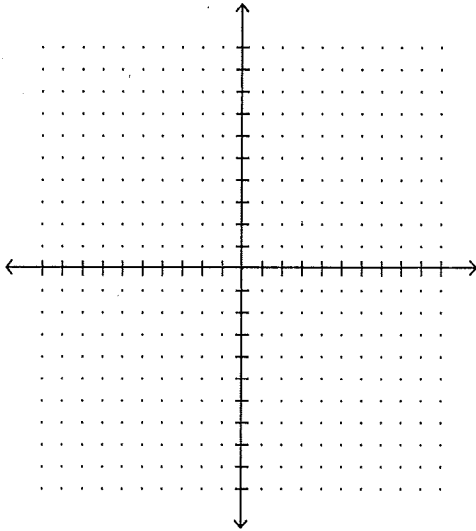
6. $y = \frac{1}{3}x$ Solution: _____

    $y = -3x + 10$
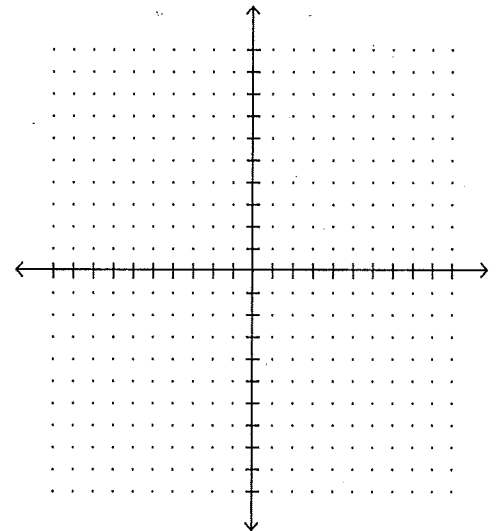
7. **Writing:** Suppose you graph a system of linear equations. If a point is on only one of the lines, is it a solution of the system? Explain.

8. **Reasoning:** Can a system of two linear equations have exactly two solutions? Explain.

9. **Error Analysis:** A student graphs the system $y = -x + 3$ and $y = -2x - 1$ as shown below on the left. The student concludes there is no solution. **Describe the error in words, and** correctly work the problem on the blank graph and identify the solution.