

Algebra 1 Quiz 10.25.13

Version A

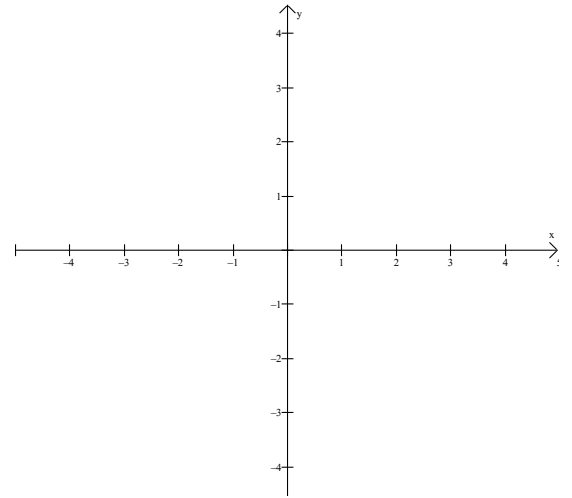
Systems expert _____

period _____

1) Simplify: $2(6x + 4) - 3(3x - 9)$

2) Graph the system linear inequalities

$$y < -x + 3$$
$$y \geq 1$$



3) Solve the system of linear equations

$$5x - 12y = -16$$
$$-3x + 4y = 0$$

4) Solve and graph on a number line

$$\frac{1}{2}x - \frac{2}{3} > 4$$

5) **Perimeter Question:** A rectangle garden has a length of $3x - 3$ and a width of $x + 4$ and a perimeter of 58 feet. What is the length and width of the garden to the nearest foot?

Bonus!! Solve the system

$$4y = -12x + 16$$
$$3x + y = 4$$