Geometry

Algebra Review #12

Name_____ Per_____

Semester 2

Solve for the given variable.
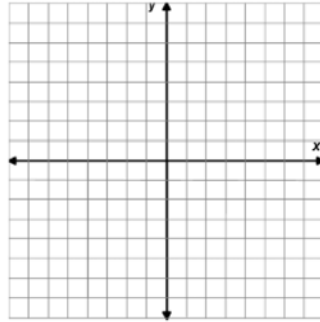
1. $5y - 2(2y + 3) = 3(2y + 5) + 9$

2. In slope-intercept form, write the equation of the line passing through the points $(6, 2)$ and $(-5, 8)$.

Graph

3. $y = 3|x - 1| - 2$

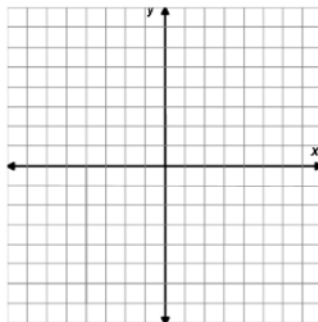| x	y

4. Simplify $\frac{4x^2 - 12x}{10x^2 + x - 2} \cdot \frac{2x^2 + 7x + 3}{x^2 - 9}$

5. Graph the solutions to the system of inequalities.

$5x - 2y < -10$
$2x + 3y \leq -9$

6. Find the solutions to the equation.

$3x^2 - 6 = 7x$