**Geometry**

Algebra Review Sem 2 Week 10

Name_____ Per_____

Semester 2

Solve and graph solutions on the number line.
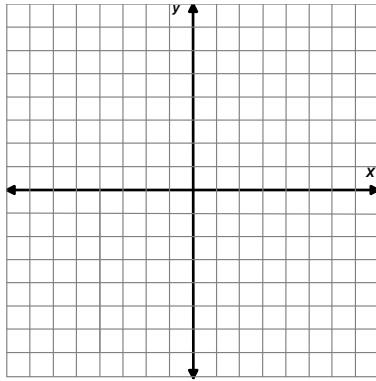
1. $3 - 2(2y + 3) > 9$

2. In STANDARD form, write the equation of the line passing through the points (-3, 2) and ( 3, -5).

Graph

3. $y = (x - 3)^2 + 1$

| x | y |
|---|---|
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |

4. Simplify $\frac{4x^2+2x}{x^2+x-2} \div \frac{2x^2-2x}{2x+1}$

5. Solve the system of equations.

$y = 4 - 2x$
$3x - 2y = -6$

6. Find the solutions to the equation.

$3x^2 = 7 - 16x$