Geometry Name_____ Per____

Algebra Review Sem 2 Week 2 Semester 2

SHOW ALL WORK!

Solve for the given variable.

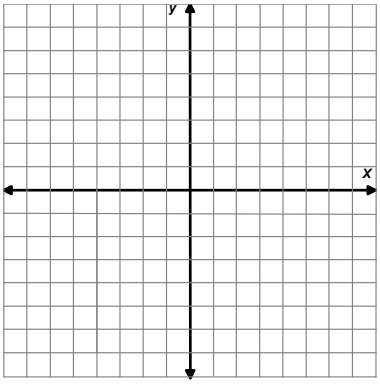
1. $3-(2y-3)=6y-4(y+2)$

2. In slope-intercept form, Write the equation of the line passing through the points (7, 2) and (-3, 4).

3. Fill out the table of values and graph the function $y=x^2-4x+1$ on the coordinate plane provided.

Show work here:

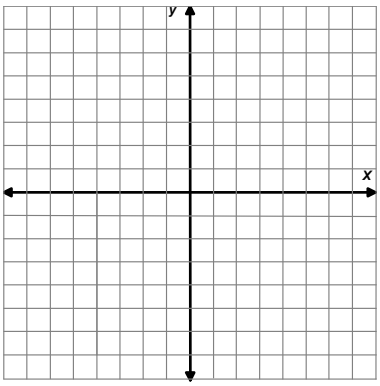
x	y



4. Simplify $\frac{4x+8}{2x^2+7x+3} \div \frac{x^2-4}{2x^2-3x-2}$

5. Graph the solutions to the system of inequalities.

$3x - 5y > -30$
$2x + y \leq 1$



6. Solve using the quadratic formula. Round answers to nearest tenth if necessary

$2x^2-10x=9$