Geometry   Name_____ Per_____
Algebra Review Week 7   Semester 1

Factor completely:

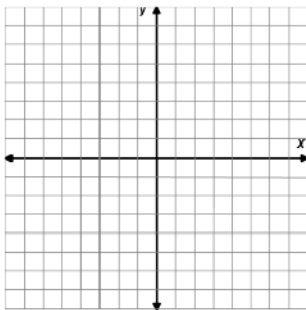1. $25b^2 - 1$ 2. $8x^2 + 2x - 3$

Simplify:

3. $\dfrac{x^2-49}{2} \cdot \dfrac{28}{2x+14}$

4. $\dfrac{x-1}{x^2-3x+2} \div \dfrac{2x}{8x-16}$

5. Solve the system of inequalities by graphing

$2x - 3y > 6$
$x + 2y \le -8$

6. Graph the equation

$y = x^2 + 1$

x	y
0	
1	
-1	
2	
-2	