

Geometry

Algebra Review Week 9

Name _____ Per _____

Semester 1

Multiply:

1. $(2x - 3)(10x^2 + 3x - 2)$

2. $(3x + 5)(6x^2 - 7x - 5)$

Simplify:

3. $\frac{x+1}{3x-15} \cdot \frac{8x-80}{x^2-9x-10}$

4. $\frac{b^2-2b-15}{8b+20} \div \frac{2}{4b+10}$

5. Solve the system of inequalities by graphing

$$3x + 2y < -2$$

$$x - 2y \leq 2$$

6. Solve using the quadratic formula.

$$3x^2 + 4x = 8$$

