

Geometry

Algebra Review Week 16

Name _____ Per _____

Semester 1

Directions: Show all work.

Solve for the given variable:

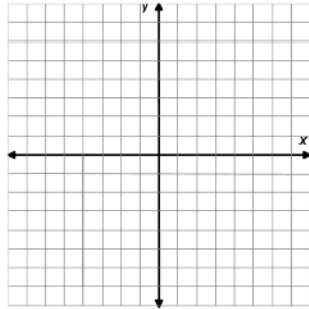
1. $5(x + 3) - 2(x + 4) = -14$

Factor:

2. $3x^2 - x - 10$

Graph

3. $y \geq -\frac{1}{3}x + 2$



4. Simplify $\frac{5x}{4x^3 - 6x^2} \cdot \frac{6x - 9}{5x}$

5. Solve the system of equations.

$$3x - 5y = -19$$

$$2x + y = -4$$

6. Solve.

$$5x^2 - 10x = 12$$