

# Geometry

Algebra Review Sem 2 Week 16

Name \_\_\_\_\_ Per \_\_\_\_\_

Semester 2

Solve for the given variable.

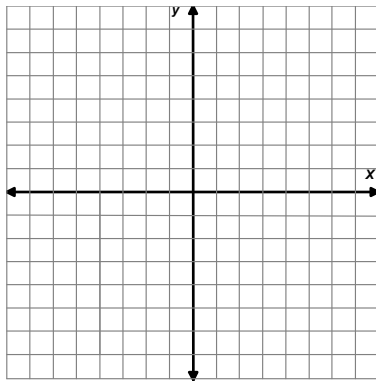
1.  $5y - 2(2y - 3) = 3(2y + 5) - 19$

2. In slope-intercept form, write the equation of the line passing through the points (6, -2) and (-5, 8).

Graph

3.  $y = 2|x - 1| - 1$

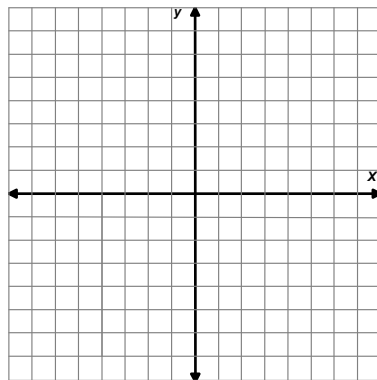
x	y



4. Simplify  $\frac{3x^2 - 12x}{10x^2 + x - 2} \cdot \frac{2x^2 + 7x + 3}{x^2 - 16}$

5. Graph the solutions to the system of inequalities.

$$\begin{aligned} 5x - 2y &> -10 \\ 2x + 3y &\leq -9 \end{aligned}$$



6. Find the solutions to the equation.

$$4x^2 - 5 = -19x$$