

Geometry
Algebra Review #8

Name _____ Per _____
Semester 2

Solve for the given variable.

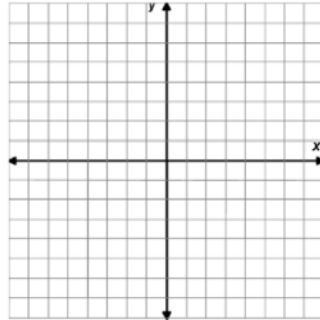
1. $3 - 2(2y + 3) = 6y - 4(y - 2)$

2. In point-slope form,
Write the equation of the line
passing through the points
 $(-3, 2)$ and $(3, -5)$.

Graph

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

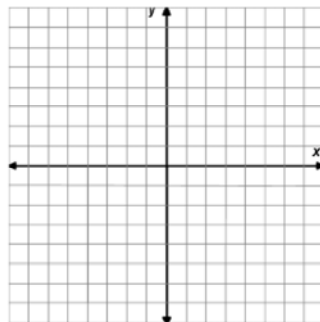
x	y



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

5. Graph the solutions to the system of inequalities.

$$\begin{aligned} 2x + y &\leq 4 \\ 3x - 2y &> -6 \end{aligned}$$



6. Find the solutions to the equation.

$$3x^2 = 7 - 20x$$