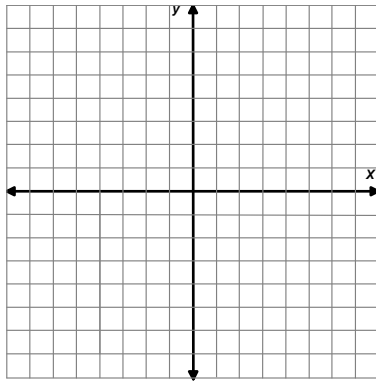Solve for the given variable.

1. $\frac{4x-8}{4} = 3x - 8$

2. **In slope-intercept form,**

    write the equation of the line
    passing through the points
    (-3, 2) and (3, 6).

Graph

3. $2x - 4y = -8$

4. Simplify $\frac{2x^2-5x-3}{4x-4} \cdot \frac{2x^2-3x+1}{4x^2-1}$

5. Solve the system of equations.

$$5x - 2y = -23$$
$$7x + 3y = -9$$

6. Find the solutions to the equation.

$$3x^2 - 10 = x$$