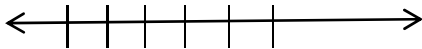


Solve for the given variable and graph solutions.

1.  $5y - 2(2y + 3) > 3(2y + 5) + 9$

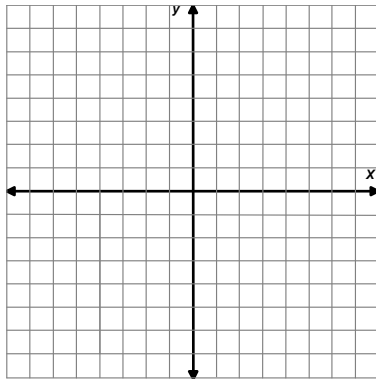
2. In point-slope form, write the equation of the line passing through the points (6, -2) and (-5, 8).



Graph

3.  $y = (x - 1)^2 + 2$

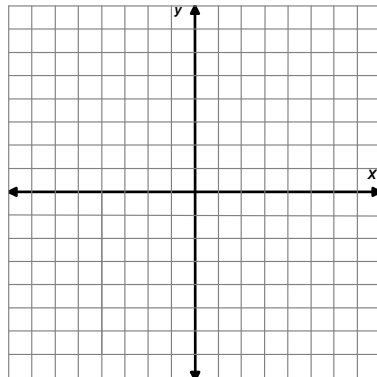
$x$	$y$



4. Simplify  $\frac{2x^2 - 7x - 15}{12x^2 - 4x} \div \frac{3x^2 - 14x - 5}{9x^2 - 1}$

5. Graph the solutions to the system of inequalities.

$5x - 2y > -10$   
 $2x + 3y \geq -9$



6. Use factoring and the zero-product property to find the solutions to the equation.

$2x^2 + 3x = 20$