Do Now

Quadratic Formula

1. Solve $x^2 - 6x - 27 = 0$ by factoring. Then check with the quadratic formula.

2. Solve $x^2 - 11x + 13 = 0$.

Fractional Algebra

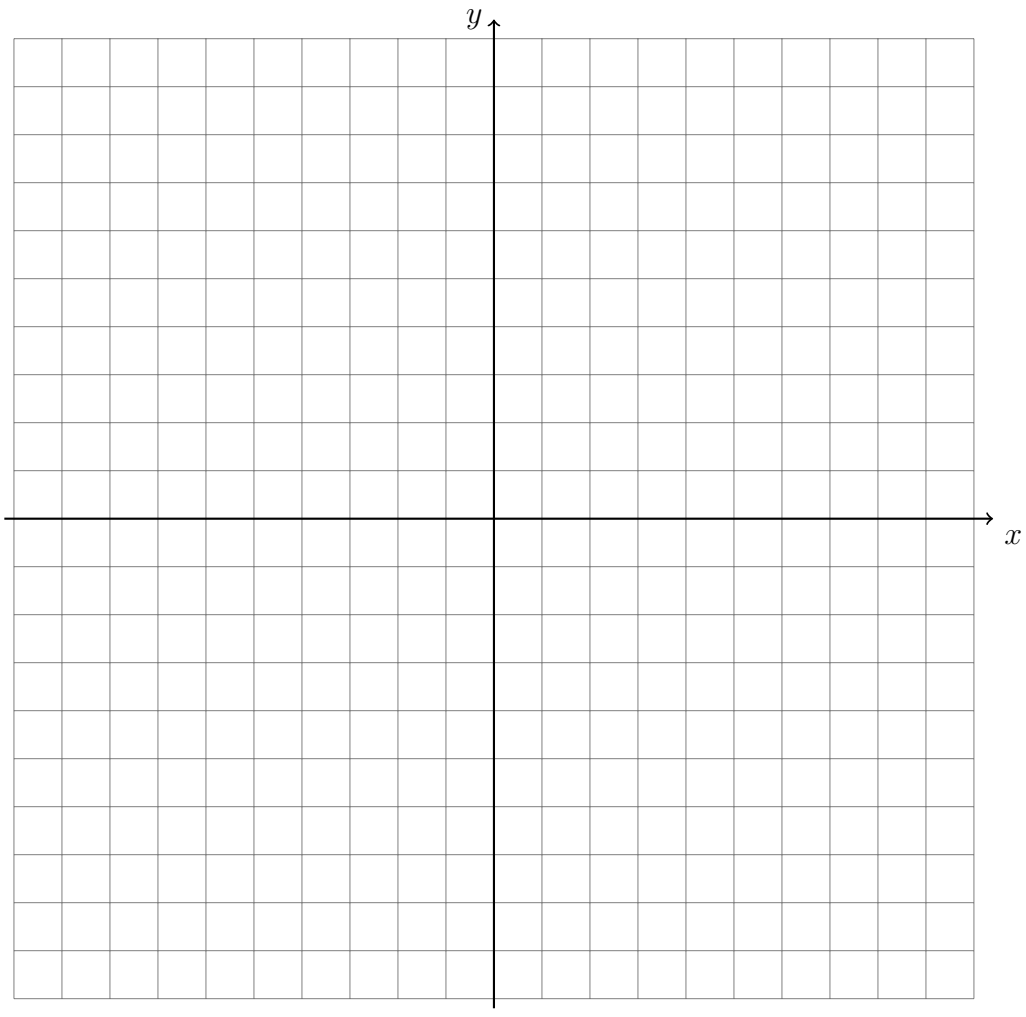
3. $3 + \frac{9}{2}(3x - 5) = 21$

4. $8 + \frac{5}{x}(-7x - 10) = 23$

Graphing Inequalities

5. Solve for y, then graph the two inequalities.

$2y + 6 < x$ $y + 3x \geq 8$



Mark the solution set with a capital "S". Are the following points solutions?

(a) (2, -2)

(b) (3, -5)

(c) (-1, 7)