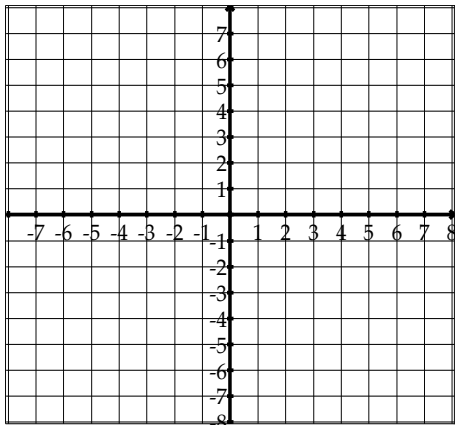
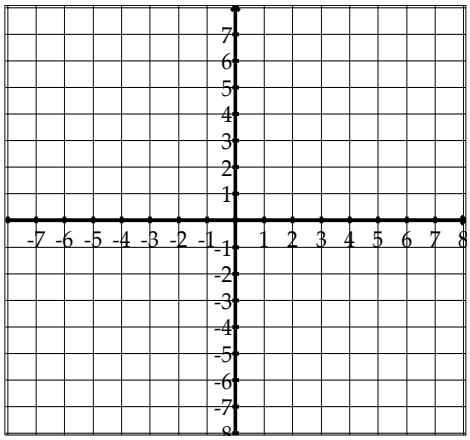
Notes 2-8 Graphing Linear & Absolute Value Inequalities Name _____
Algebra II

Period _____

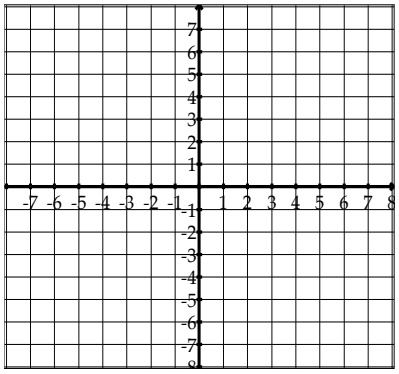
Graph the solutions to $5x - 3y < 15$.



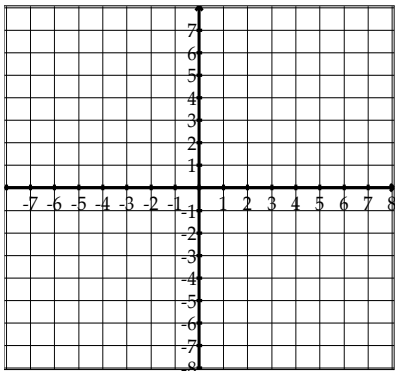
Graph the solutions to $y \geq \frac{3}{4}x - 3$.



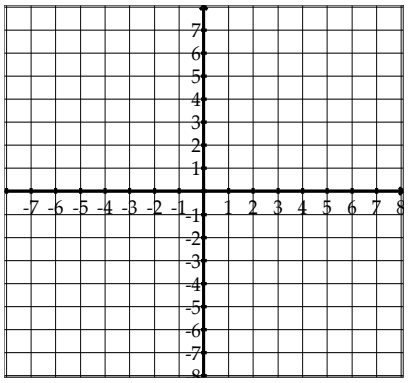
Graph the solutions to $y + 1 \geq \frac{2}{3}(x - 2)$



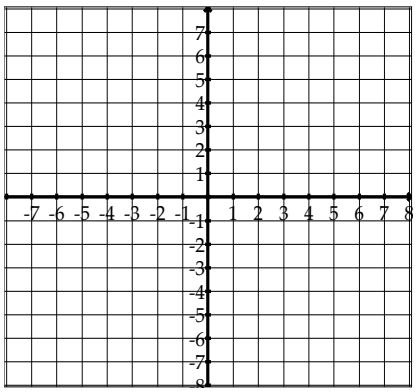
Graph the solutions to $x < 5$



Graph the solutions to $y - 1 > |x + 4|$



Graph the solutions to $y \leq -3|x| + 4$



Essential question: Why must we use a graph to represent inequalities with 2 variables?

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Review

Graph $f(x) = \begin{cases} x + 1, & x \leq -4 \\ 5, & -4 < x < 2 \\ x - 2, & x \geq 2 \end{cases}$