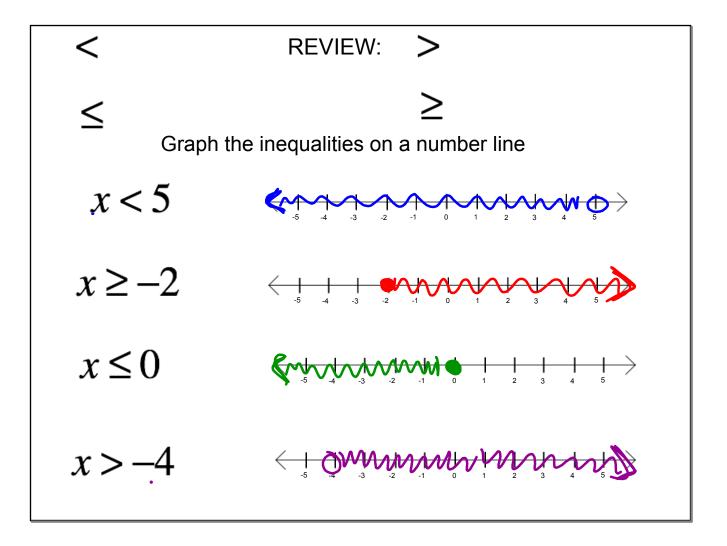
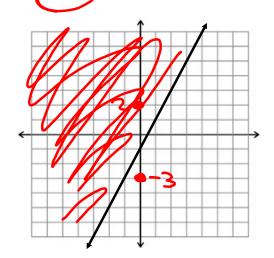
5-3: Graphing Linear Inequalities

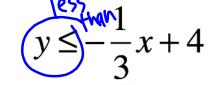
Objectives: I can graph a linear inequality

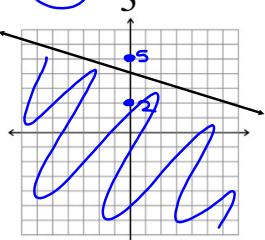
Vocab: Inequality, solution set



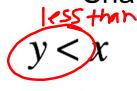
Shade the linear inequality: $y \le x - 1$ $y \le x - x$

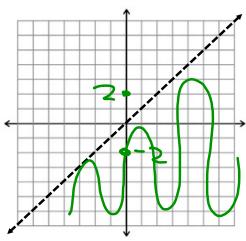


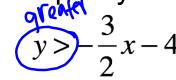


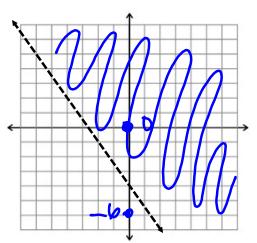


Shade the linear inequality:









Graphing Linear Inequalities:

YIM, slope y = mx + b

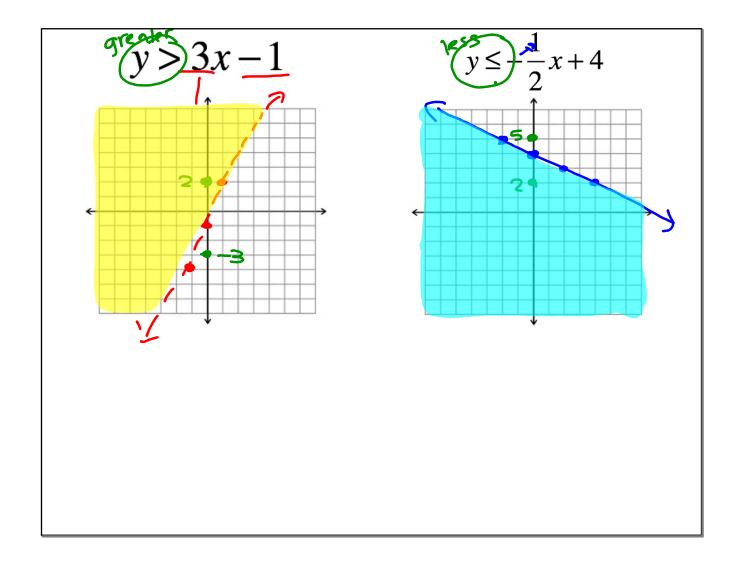
dotted line < , >

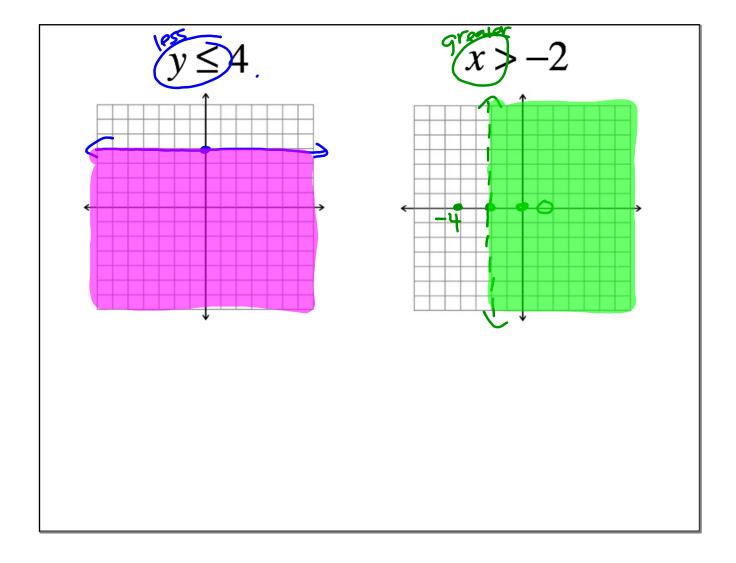
≤,≥

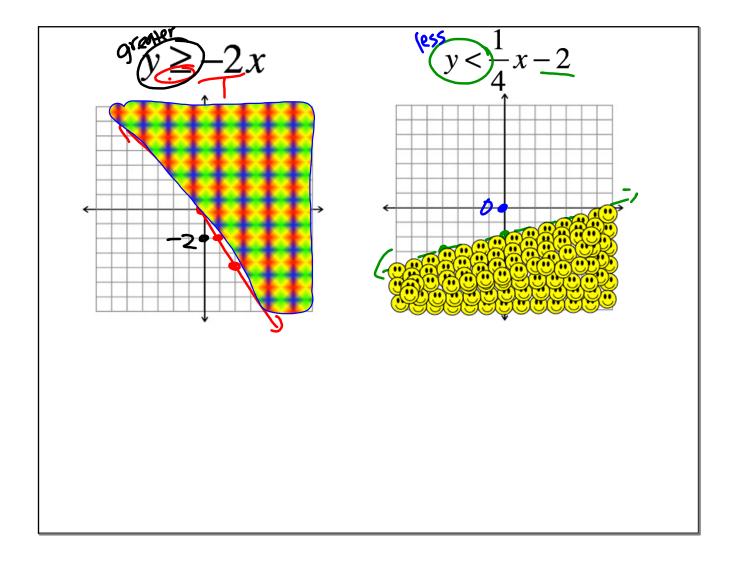
shading

Your Y-value on each side of line to determine

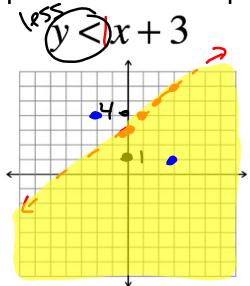
Shading







Graph the linear inequality:



Is (-2,4) in the solution set? \mathbb{N}

Is (3,1) in the solution set? \checkmark