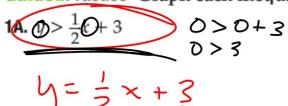
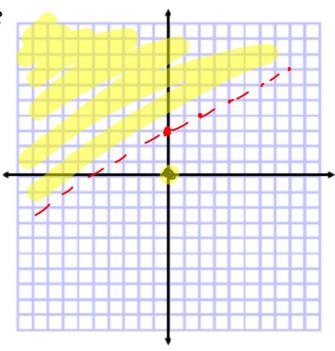


whiteboards

GuidedPractice Graph each inequality.





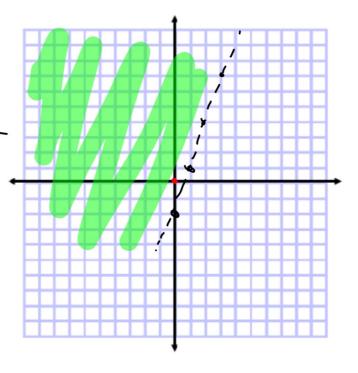
How is this problem different? Example 1 Graph an Inequality (< or >)

Locate the boundary (hint: y=)

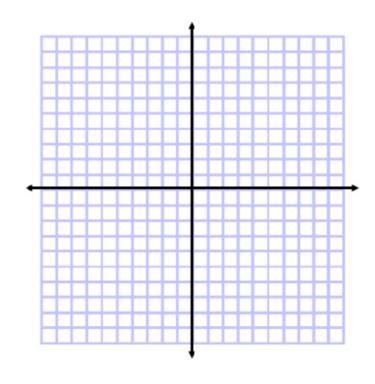
Graph
$$3\theta - g < 2$$
.

Graph
$$3\theta - y < 2$$
.
$$3x - y = 2$$

$$-3x$$



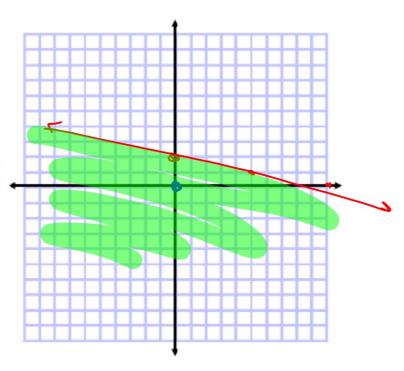
1B.
$$x - 1 > y$$



Example 2 Graph an Inequality (≤ or ≥)

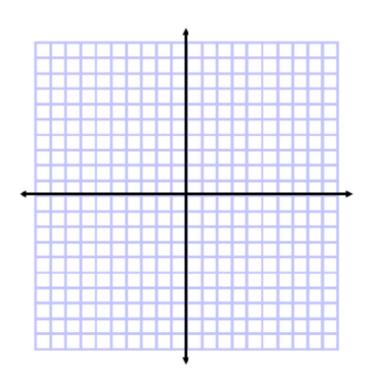
Graph
$$(0+5)$$
 ≤ 10 .

$$x + 5y = 10$$

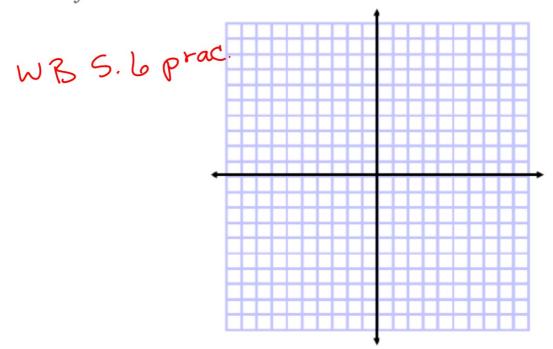


Graph each inequality.

2A. $x - y \le 3$



2B. $2x + 3y \ge 18$



Example 3 Solve Inequalities From Graphs

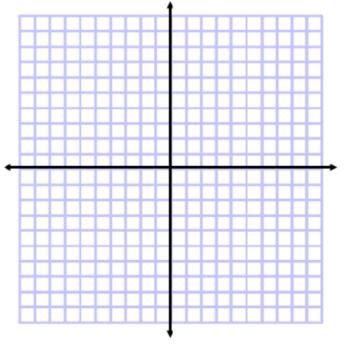
Use a graph to solve 3x + 5 < 6

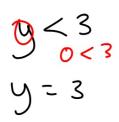
Graph y=3x+5

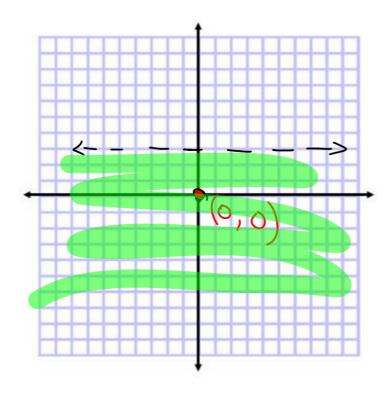
Graph y=6

Where is 3x+5 lower on the graph \blacksquare

(smaller y-coord = less) than 6







Use a graph to solve each inequality.

 $34 4x - 3 \ge -7$

