Graph each on a number line.



The graph of an inequality on a number line is

a dot (open or closed)

AND

a direction (arrow pointing right or left) this is the starting point it makes the two sides EQUAL

This indicates all the numbers that make the INEQUALITY true

Graph y = 2x - 3



Graph y = 2x - 3



Graph $y \ge 2x - 3$



The graph of a Linear Inequality is

A line (dashed or solid)

Points on the line make the two sides = Used Dashed if you see > or < Used Solid if you see ≥ or ≤

AND

A direction

Shade the area on one side of the line to show what points make the INEQUALITY true.

One Method		R Another Method
"y is less" mea	nade above	 Pick any point NOT on the graph Plug in those coordinates If coordinates make a True statement then shade the side with that point. If coordinates DON'T make a true statement shade the other side.

 $2. \qquad x \ge -2$







4. $y \le 1$







Step 3: Shade the correct side since the inequality is "y is greater" you shade above the line.



