

Section A.2: Solving and Graphing Inequalities

Homework: _____

Only Rule...

If you _____ or _____
by a _____ number, you _____ the inequality.

$>$ or \geq shade to the _____ $<$ or \leq shade to the _____

$>$ or $<$ is a(n) _____ circle \geq or \leq is a(n) _____ circle

HINT: When solving and graphing, keep the variable on the **left**, so that the inequality tells you the direction of the arrow.

No Solutions: are _____ inequalities

Infinite Solutions: are _____ inequalities

Graph each inequality on a number line.

1. $x > -2$

2. $x \leq 3$

3. $4 > x$