

Warm Up

Algebra Concepts 6.4 wkst (on table)

& Self Reflection on back of warm ups

+ why

Homework Questions?

Self Scoring Scale

4- I can *summarize* the concepts and explain it to others.

3- I can *apply* the concepts to answer questions correctly.

2- I can *apply* the concepts but with some *mistakes*.

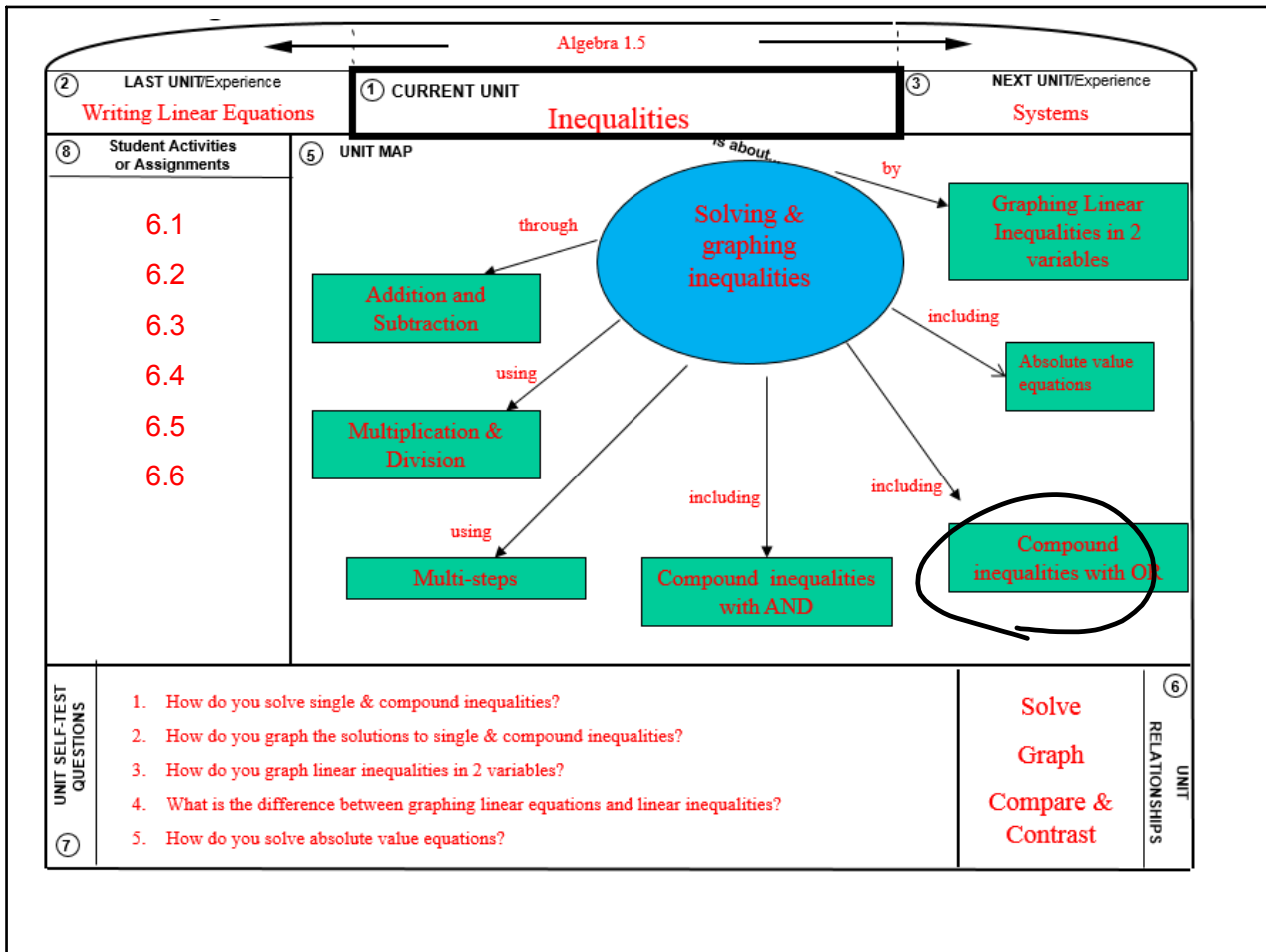
1- I *need help* to know how to apply the concepts.

0- I *can't* apply the concepts even with help.

6.5 Solving Compound Inequalities Involving "Or"

Goals: • Solve and graph compound inequalities involving *or*.

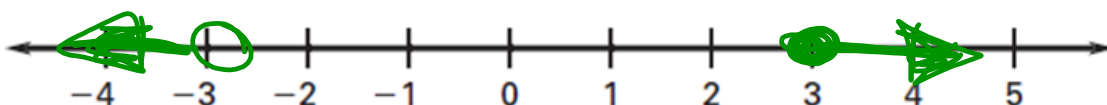
EQ: What is the difference between an "AND" and an "OR" inequality?



Example 1: Write Compound Inequalities with Or

Write a compound inequality that represents the set of all real numbers less than -3 or greater than or equal to 3. Then graph the inequality.

$$x < -3 \text{ OR } x \geq 3$$



AND \rightarrow Both conditions met

OR \rightarrow one condition met

Try It Write an inequality that represents the set of numbers. Then graph the inequality.

1. All real numbers less than -4 or greater than -1.

$$x < -4 \text{ OR } x > -1$$



2. All real numbers less than or equal to 3 or greater than or equal to 7.

$$x \leq 3 \text{ OR } x \geq 7$$



6.5 HW Day 1

p.351 #2-5, 9, 10, 14-20