Warm Up!

In your own words, define an inequality.

a math sentence that compares two or more values to show which is greater.

Name each of the following symbols:

then	<	>	≥	≤
	1855 than	greater than	greater than of = to	1es5 than of = to

Solving Algebraic Inequalities Vsing Addition and Subtraction

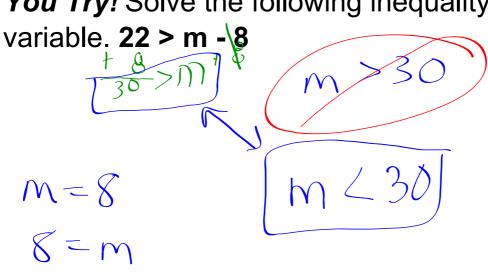
Clear Learning Target

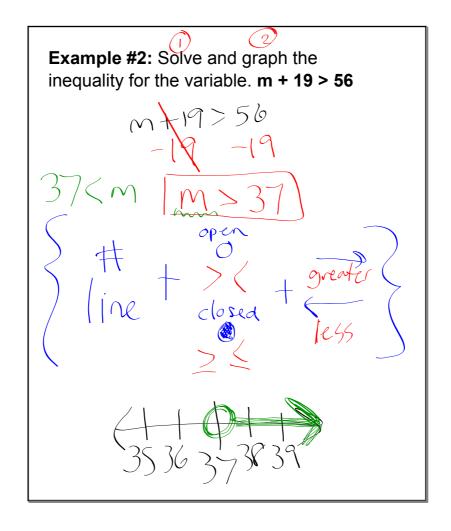
You will be able to solve algebraic inequalities using addition and subtraction properties.

Example #1: Solve the following inequality for the variable. $x - 12 \ge 8$

 $\frac{+12}{1\times2}$

You Try! Solve the following inequality for the





You Try! Solve and graph the inequality for the variable. **p** + 8 ≤ 18

Example #3: Solve the inequality for the variable. 3a + 6 ≤ 4a

**A add/svbtract the variable term with the smaller coefficient from both sides!

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You Try! Solve the following inequality for the variable. 9n - 1 < 10n