

Cornell Notes	Name: _____
Topic: <u>Solving Inequalities Using Addition or Subtraction</u>	Date: _____
Lesson 7.6	Period: _____

Essential Question: How can you use addition or subtraction to solve an inequality?

Questions/Main Ideas:	Notes:
Vocabulary	Addition Property of Inequality - add the same number to each side of an inequality, the inequality remains true
	Subtraction Property of Inequality - subtract the same number from each side of an inequality, the inequality remains true
Example 1	Solving an Inequality Using Addition
	Solve $x - 3 > 1$ $\langle \text{ } \rangle$
Your Turn!	1.) $x - 2 < 3$ 2.) $x - 6 \geq 4$
	$\langle \text{ } \rangle$ $\langle \text{ } \rangle$
	3.) $10 \geq x - 1$ $\langle \text{ } \rangle$
Example 2	Solving an Inequality Using Subtraction
	Solve $15 \geq 6 + x$. Graph the solution.
	$\langle \text{ } \rangle$
Your Turn!	4.) $x + 4 > 7$ 5.) $y + 2 < 17$
	$\langle \text{ } \rangle$ $\langle \text{ } \rangle$

Summary: Students should write a summary reflecting the above essential question.
