

SM2-A PROPERTIES 1-4 (Solve Inequalities)

Properties of Inequality Only apply to Inequalities!!!

Addition Property of Inequality

Subtraction Property of Inequality

If you: “+ , -” by the same number on both sides of the inequality symbol, then you are guaranteed that the next inequality is an equivalent inequality.

Multiplication Property of Inequality

Division Property of Inequality

If you: multiply or divide both sides of the inequality symbol with a positive number, then you are guaranteed that the next inequality is an equivalent inequality.

If you: multiply or divide both sides of the inequality symbol with a negative number, then you must switch the direction of the inequality symbol in order to be guaranteed that the next inequality is an equivalent inequality.