Hint

When graphing the solution to an inequality on a number line, a student needs to know the difference between graphing < and > versus graphing ≤ and ≥.

- ≤ and ≥ means that the solution includes the end value and is graphed with a closed circle at that value.
- < and > means that the solution does not include the end value and is graphed with an open circle at that value.

An inequality is solved like an equation, by isolating the variable. Remember that multiplying or dividing by a negative number when solving an inequality, reverses the direction of the inequality symbol.