

STEPS FOR DETERMINING WHETHER AN EQUATION OR INEQUALITY IS TRUE OR FALSE

1. Place the number in for the variable (letter) and then rewrite the problem.
2. Simplify on both sides of the sign using order of operations.
3. Read the simplified problem.
4. Ask yourself if what you just read is true or false.

$$8 + r > 7 \times 2 \quad \text{if } r = 5$$

$$\begin{array}{ccc} 8 + 5 > 7 \times 2 \\ \vee & & \vee \\ 13 > & & 14 \end{array}$$

Read as: 13 is greater than 14

True or False? This is FALSE because 13 is less than 14.

Attachments

GraphingCoordinatePlaneQuad1.png