

Name _____

Date _____



Understanding Equality

Identify whether both sides are equal or not.

If both sides are equal, the result should be the same on both sides of the equal sign.

Example: $7 + 2 = 5 + 5$

$$\begin{array}{ccc} \textcircled{7 + 2} & = & \textcircled{5 + 5} \\ \downarrow & & \downarrow \\ 9 & = & 10 \end{array}$$

not equal

Solve the problems.

If they are equal, write **True**.

If they are not equal, write **False**.

1.) $2 + 5 = 8$ _____

2.) $9 - 2 = 4 + 3$ _____

3.) $6 + 6 = 12 + 1$ _____

4.) $12 = 10 + 2$ _____

5.) $7 = 7$ _____

6.) $8 + 7 = 9 + 6$ _____

In the space below, choose a problem and prove whether you think it was true or false.

Use words, pictures and/or numbers to show your reasoning.