**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

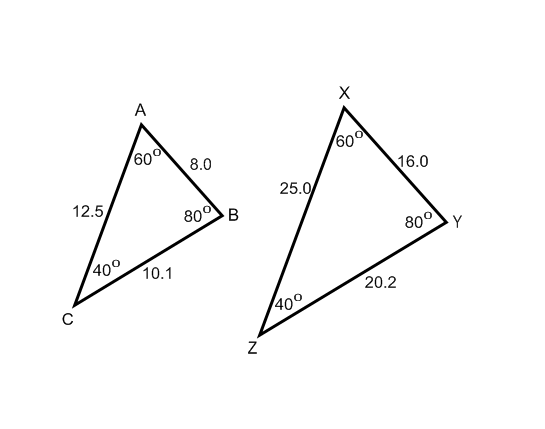
**M8-U2: Notes #6 – Similarity (angles) Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Warm-Up: Similar Figures**

**a.** Two triangles that are similar have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**AND**

**b.** Corresponding sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.





\_\_\_\_\_\_

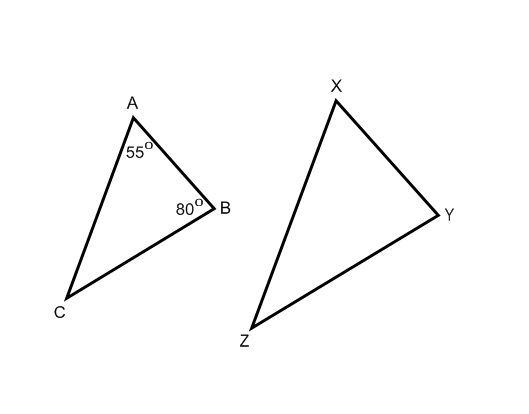
\_\_\_\_\_\_ 

\_\_\_\_\_\_

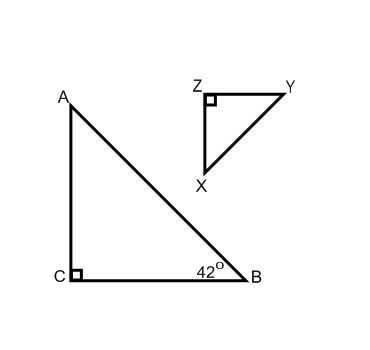
 

**Example 1: Stating that 2 Triangles are Similar**

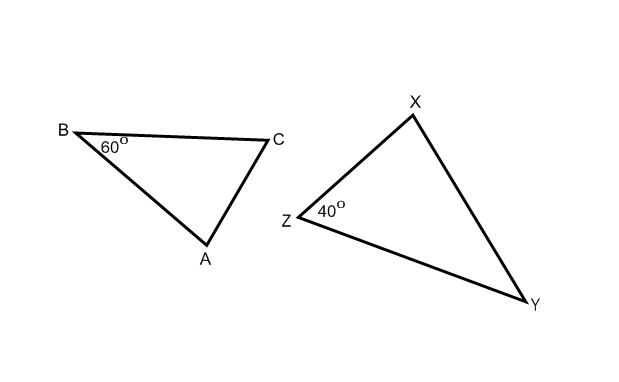
, Determine all of the angles in each triangle.



**Try It!:**

**a.** , Determine all of the angles in each triangle.

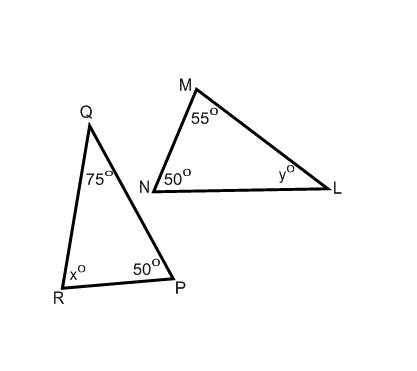
**b.** 



\_\_\_\_\_\_

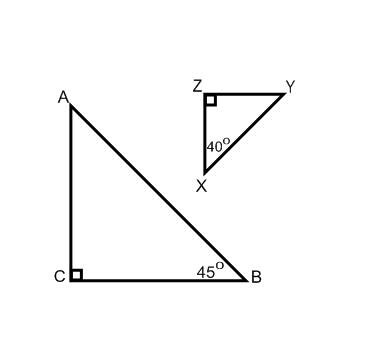
\_\_\_\_\_\_

\_\_\_\_\_\_

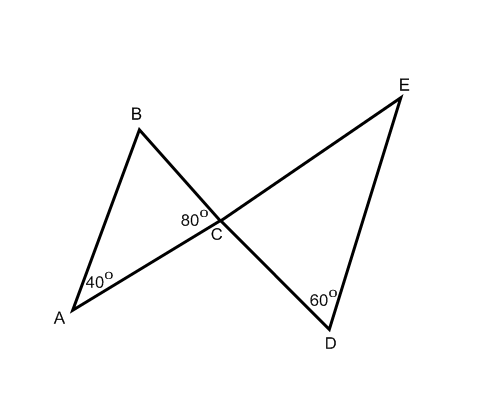


**Example 2: Determining Similarity**

Are the following triangles similar? Explain.

**Try It!:**

**a.** Are the following triangles similar? Explain.

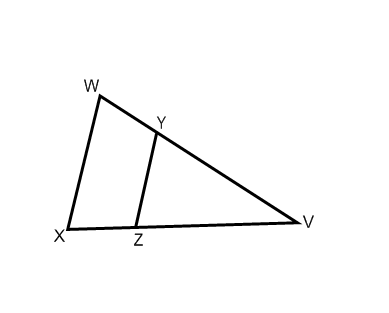


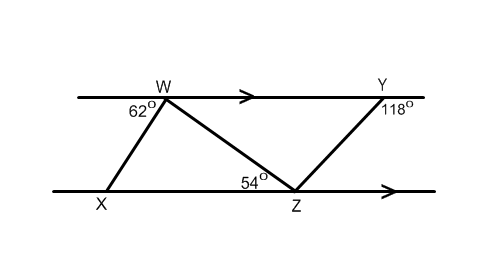
**b.** Are the following triangles similar? Explain.

**Example 3:**

In the diagram  and .

Are similar? Explain.





**Example 4:**

Are similar? Explain.