

Name: \_\_\_\_\_

Score: \_\_\_\_\_

### G – Triangles Concept Check

1. Can a triangle have the following angles? Show why or why not.  
 $90^\circ, 35^\circ, 55^\circ$

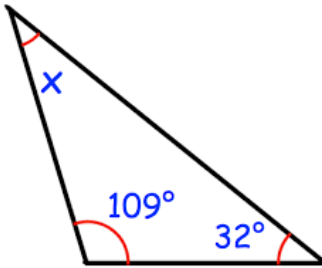
2. Can a triangle have the following angles? Show why or why not.  
 $40^\circ, 50^\circ, 60^\circ$

#### Answer Key

1. \_\_\_\_\_

2. \_\_\_\_\_

3. Find the missing angle.



3. \_\_\_\_\_

4. Can the following side lengths make a triangle. Show why or why not.  
27, 18, 11

4. \_\_\_\_\_

5. Can the following side lengths make a triangle. Show why or why not.  
26, 31, 62

6. Can the following side lengths make a triangle. Show why or why not.  
43, 25, 55

5. \_\_\_\_\_

6. \_\_\_\_\_