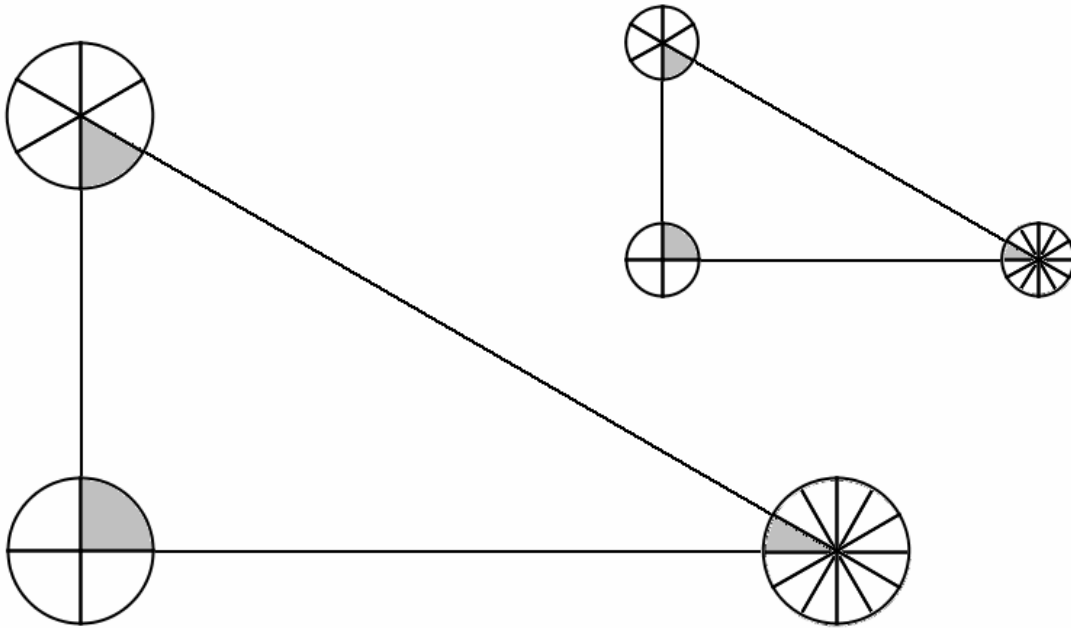


Name \_\_\_\_\_

Date \_\_\_\_\_

## Similar Triangles



Triangles that are the same shape are called *similar triangles*. Similar triangles may be the same size, but they don't have to be the same size.

Look at the similar triangles above. The bigger triangle is twice the size of the smaller triangle. Are its angles twice as big as the corresponding angles on the smaller triangle?

Why or why not?

Figure out the measurement of each internal angle in each triangle (shown by the shaded sectors) without using a protractor. Show your work. When you are finished, use a protractor to check your answer.