

## WINGEOM TRIANGLES LAB

NAME \_\_\_\_\_

Objective: To develop and reinforce definitions for each type of triangle.

- **Shape/Random/Right triangle. Measure** the sides and angles. Record the drawing and its measurements below. Define a right triangle. **Edit/Randomize.** Verify your definition.
- Repeat this process for an isosceles triangle.
- Use **Shape/Triangle/(ASA,SAS,SSS)** to create each of the other types of triangles (acute, obtuse, equilateral, equiangular, scalene). Verify each type with the measures of the angles and sides of each. State how each was created (ASA,SAS,SSS).

DRAWINGS AND DATA (LABEL EACH TRIANGLE TYPE) \_\_\_\_\_

CONJECTURES \_\_\_\_\_

A right triangle is a triangle which \_\_\_\_\_

An isosceles triangle is a triangle which \_\_\_\_\_

An acute triangle is a triangle which has three acute angles.

An obtuse triangle is a triangle which has one obtuse angle.

An equilateral triangle is a triangle which has all angles congruent.

An equiangular triangle is a triangle which has all angles congruent.

A scalene triangle is a triangle which has no congruent sides (or angles).

The sum of the measures of the angles of a triangle is \_\_\_\_\_.

Two angles of every triangle are \_\_\_\_\_.

The acute angles of a right triangle are \_\_\_\_\_.

The three angles of an equilateral (or equiangular) triangle measure \_\_\_\_\_.

