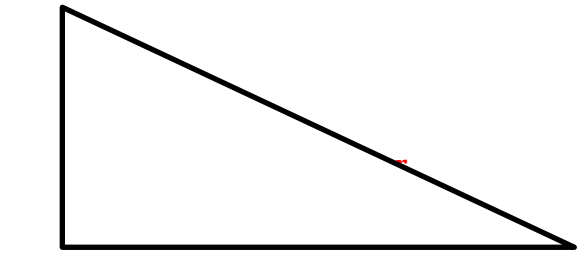
Geometry

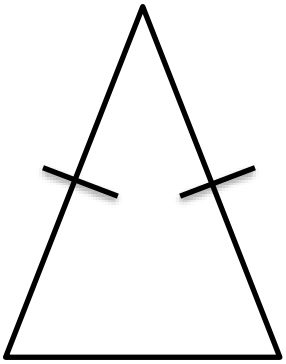
5.1 Angles of Triangles

Classify Triangles by sides



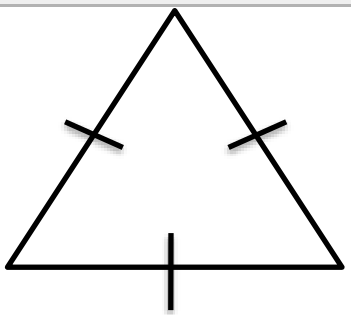
_____ _____

No congruent sides



_____ _____

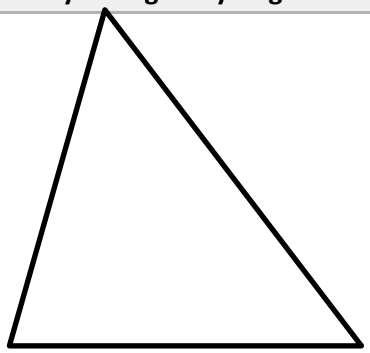
Two congruent sides



_____ _____

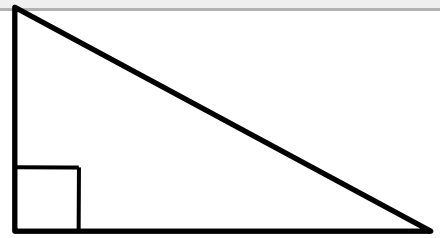
All congruent sides

Classify Triangles by Angles



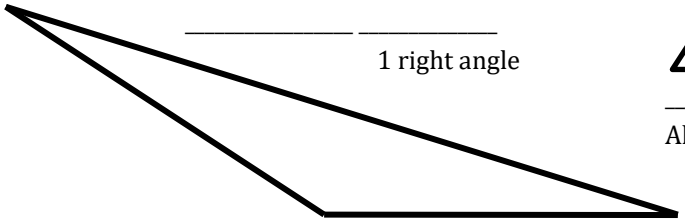
_____ _____

3 acute angles



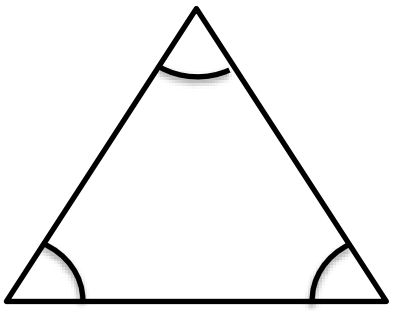
_____ _____

1 right angle



_____ _____

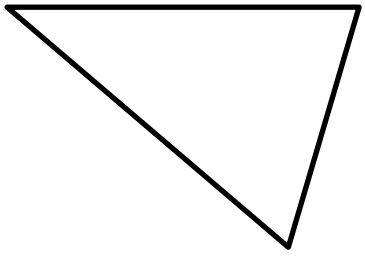
1 obtuse angle

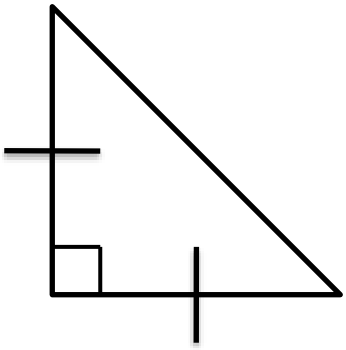


_____ _____

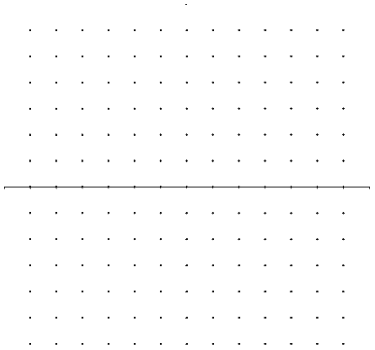
All congruent angles

Classify the following triangle by sides and angles





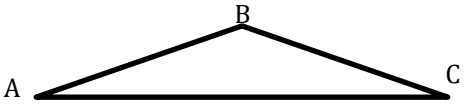
ΔABC has vertices A(0, 0), B(3, 3), and C(-3, 3). Classify it by is sides. Then determine if it is a right triangle.



Triangle Sum Theorem

The _____ of the _____ of the interior angles of a triangle is _____.

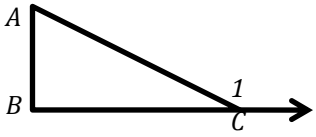
_____



Exterior Angle Theorem

The measure of an _____ angle of a triangle _____ the _____ of the _____.

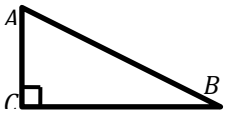
_____



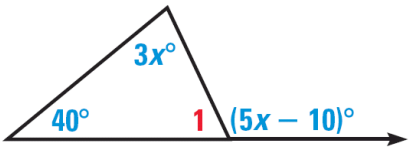
Corollary to the Triangle Sum Theorem

The _____ of a _____ triangle are _____.

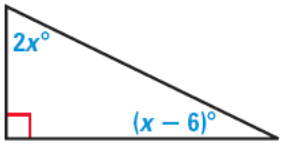
_____



Find the measure of ∠1 in the diagram.



Find the measures of the acute angles in the diagram.



Assignment: 228 #2, 4, 6, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 32, 42, 44, 48, 55, 58, 59 = 20 total