

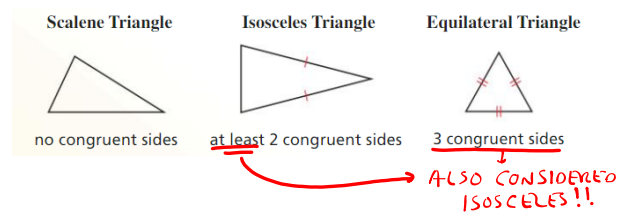
5.1 - Angles of Triangles

5.1 - Angles in Triangles

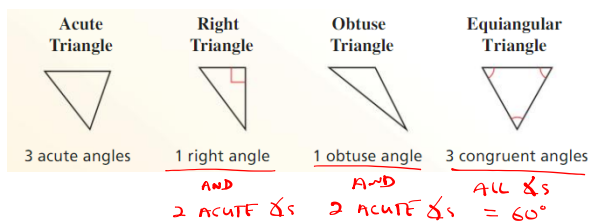
Lesson Objectives

- Classify triangles by side lengths and angle measures
- Find interior and exterior angles of triangles

Classifying Triangles by Side Length

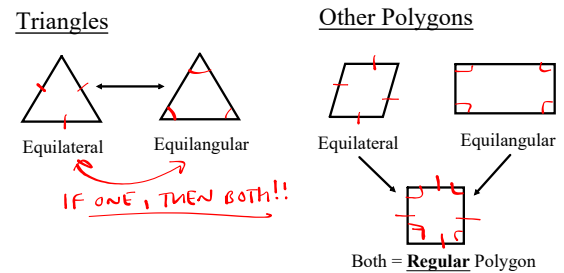


Classifying Triangles by Angle Measure

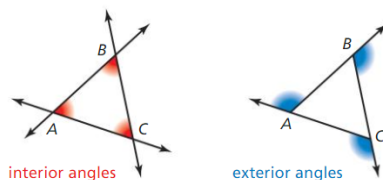


Handwritten note: EVERY TRIANGLE HAS AT LEAST 2 ACUTE ANGLES!!

Equilateral vs. Equiangular

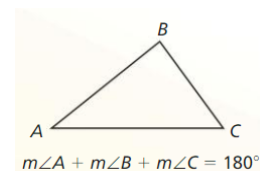


Angle Measures in Triangles



Triangle Sum Theorem

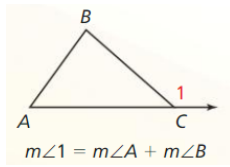
The sum of the measures of the interior angles of a triangle is 180° .



5.1 - Angles of Triangles

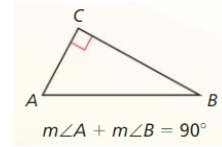
Exterior Angle Theorem

The measure of an exterior angle in a triangle is equal to the sum of the non-adjacent interior angles.



Corollary to the Exterior Angle Theorem

The acute angles of a right triangle are complementary.



Homework

5.1 p.236

- #29-36,45,50,52