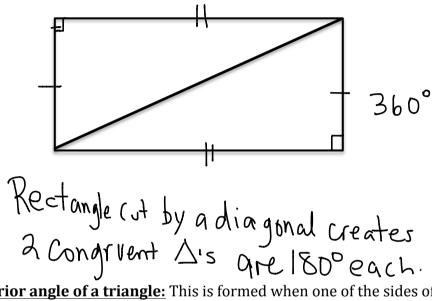
LEARNING OBJECTIVE: We will use the angle sum theorem to find missing interior and exterior angles of triangles. (Lesson 79)

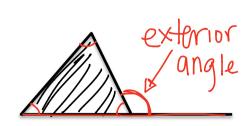
CONCEPT DEVELOPMENT:

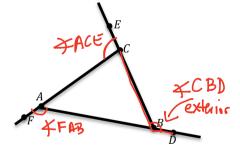
One final informal proof of the Angle Sum Theorem: using a rectangle.



<u>The exterior angle of a triangle:</u> This is formed when one of the sides of a triangle is extended. The interior angles of a triangle are inside and the **exterior angles are outside along the extended side.**

Examples:





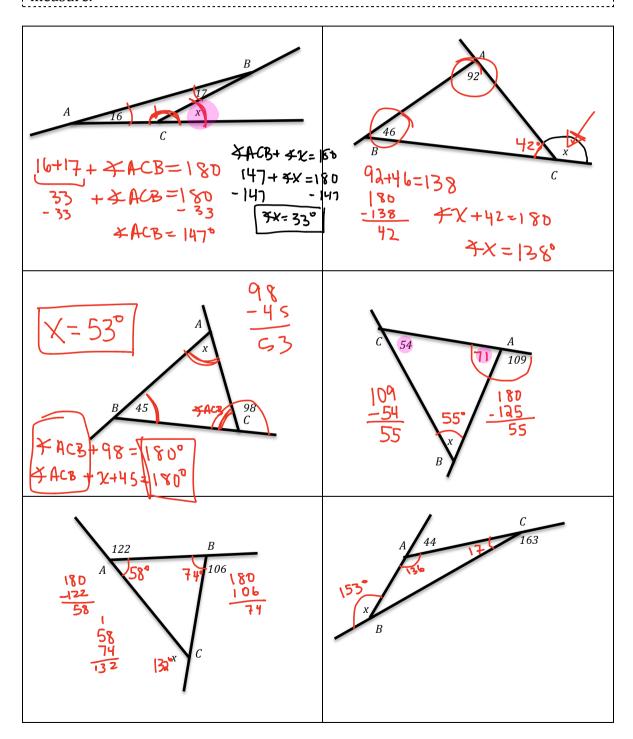
Mr. Rogove

Date:

GUIDED PRACTICE:

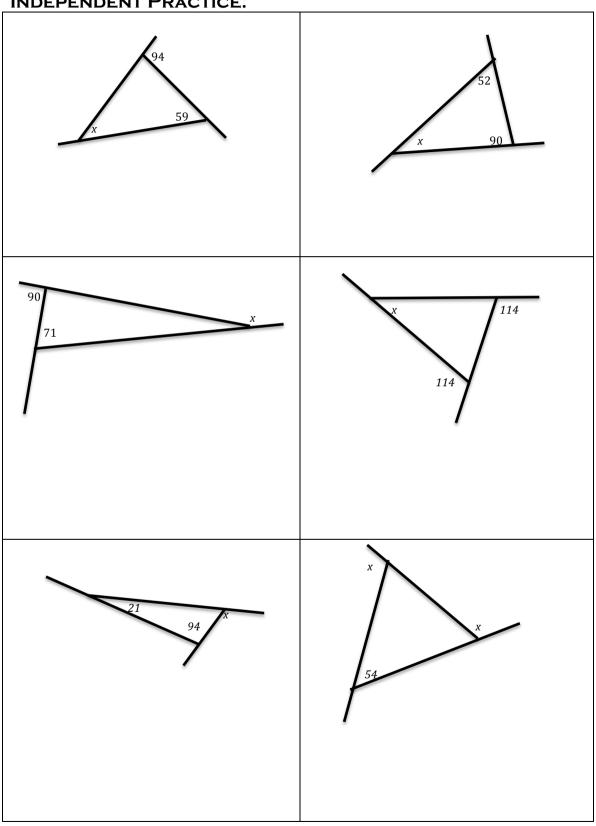
Steps for Finding Missing Angle Measures

- 1. Find the available measures of the angles of your triangle.
- 2. Use the facts we have learned about triangles (especially that all triangles are 180°) or that straight angles are 180°) to help solve for your unknown angle measure.



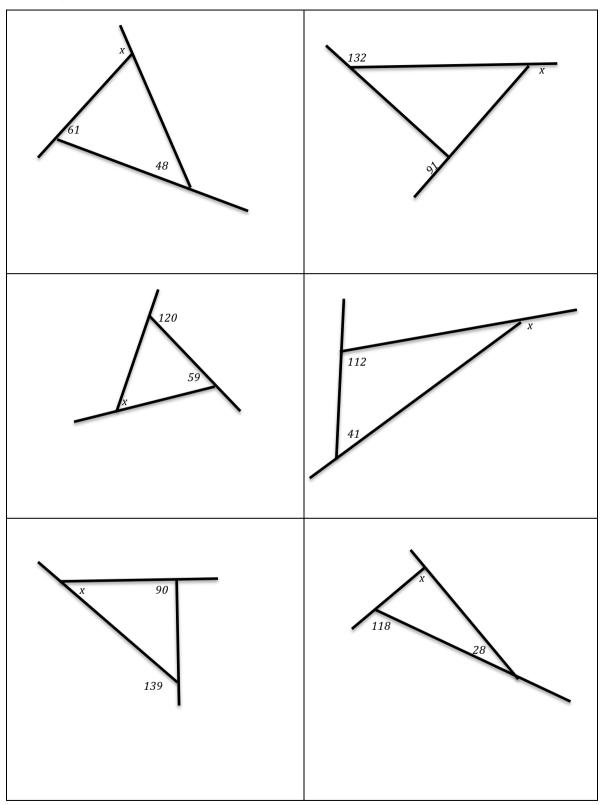
Mr. Rogove

INDEPENDENT PRACTICE:



Mr. Rogove

Date:_____



ACTIVATING PRIOR KNOWLEDGE:

