

Name _____

Date _____

Math 8

Geometry 9

Triangle Relationships

**The sum of the angles in a triangle is 180°

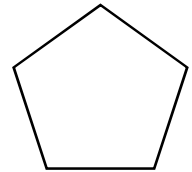
**You can find the number of degrees in any polygon by seeing how many triangles you can fit in a polygon by connecting the vertices.

Examples:

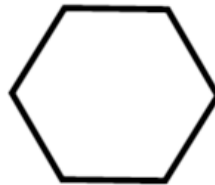
1. What is the sum of the angles of a quadrilateral? _____



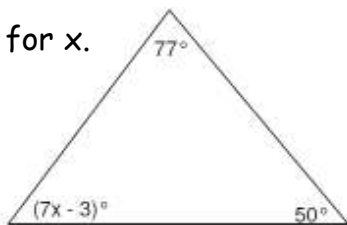
2. What is the sum of the angles of a pentagon? _____



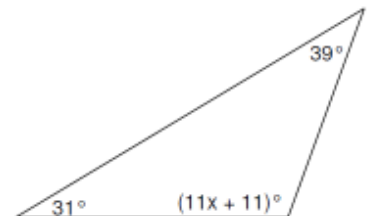
3. If a hexagon is regular (this means all sides and all angles are equal), what is the measure of one angle? _____



4. Solve for x.



5. Solve for x.



6. Solve for x.

