**3.2 Exterior Angles of a Triangle**

The exterior angle of a triangle can be found by extending the sides as seen here:



Here are the three rules involving exterior triangles that we need to do today’s lesson:

**Rule 1:**

The interior angle and exterior angle will add up to 180 degrees

Example:

**Rule 2:**

Each exterior angle of a triangle is equal to the sum of the two opposite interior angles.

Example:

**Rule 3:**

The sum of all 3 exterior angles of a triangle is 3600.

Example: