Angles of Triangles

 ***Angle Sum – all angles in a triangle add up to 180***



**Example** : Find the missing angle measures.

m<1 = 180-90-58 m<3 = 180- 32 - 108

m<1 = 32 m<3 = 40

m<2 = 32 (vertical angles congruent)

**Find the measure of each numbered angle**



***Exterior Angle Theorem – the measure of an exterior angle of a triangle is equal to the sum of the two remote interior angles.***



**Example**: Find m∠1.

 m <1 = 80 + 60

 m < 1 = 140

**Find the measure of each numbered angle.**



**Find x**

