Unit 3 Lesson 2 – Interior Triangle Angles

 For 1-5, determine what kind of triangle each triangle is. Each triangle should have 2 answers.

(Acute, Obtuse or Right) **AND** (Scalene, Isosceles or Equilateral)

1.) A triangle with a 30o and 60o angle.

2.) A triangle with a 42o and a 47o angle.

3.) A triangle with two angles that are 30o each.

4.) A right triangle with a 37o angle.

5.) A triangle with a 40o and a 100o angle.

6.) Find the measure of the third angle of a triangle if the first two angles measure 34o and 48o.

7.) In ∆ ABC, $\overbar{AC}$ **⊥** $\overbar{CB}$ and m **∠** A = 40o. What is m **∠** B?

8.) If two angles in a triangle measure 53o each, then what is the measure of the third angle of the triangle?

9.) Find the measure of the third angle of a right triangle that has a 42o angle.

10.) In ∆ DEF, $\overbar{DE}$ **⊥** $\overbar{EF}$ and m **∠** D = 50o. What is m **∠** E?

11.) If two angles in a triangle have a combined measure of 100o, then what is the measure of the third angle of the triangle?

12.) Find the measure of the third angle in a triangle that has a 57o and a 49o angle.