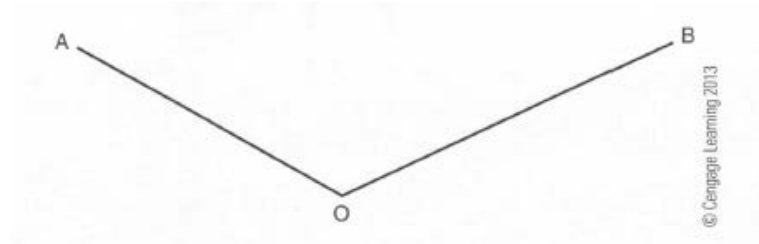


Name: _____
Mathematics Period 3

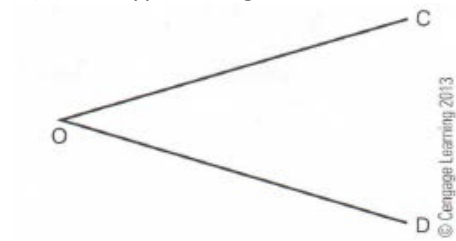
Date: 4/14/15
Ms. Wilson

**Lines, Angles, and Triangles
Classwork**

1.) What type of angle is $\angle AOB$? _____

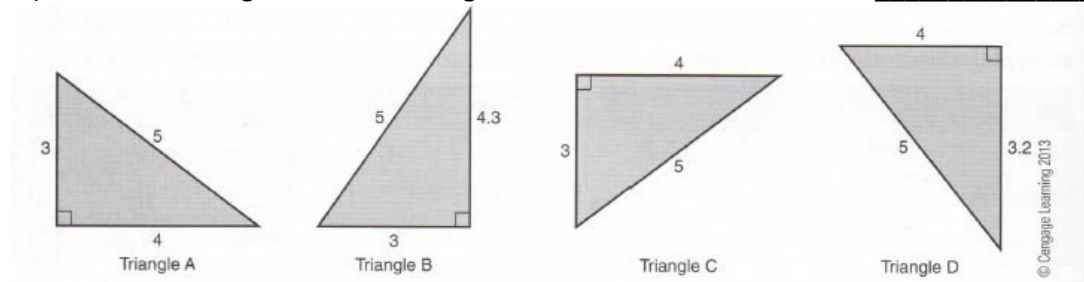


2.) What type of angle is $\angle COD$? _____

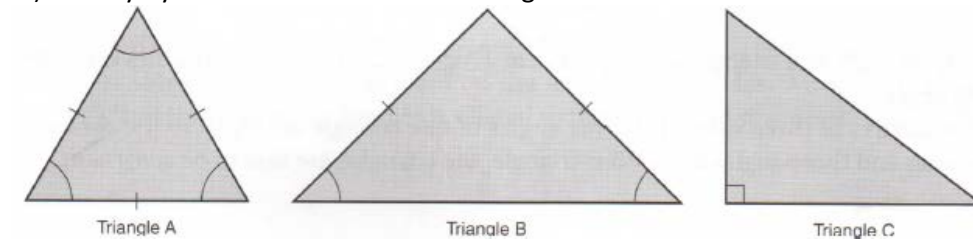


3.) How many degrees are in a right angle? _____

4.) Which two triangles below are congruent? _____



5.) Classify by name each of the three triangles below.



6.) Two angles of a triangle have measures of 37° and 53° . What is the measure of the third angle?

7.) The base angles in an isosceles triangles have the same measure. If each base angle measures 62° , what is the measure of the vertex angle?

8.) The sum of the measures of two angles in a triangle is 75° . What kind of triangle is this?

9.) The sum of the measures of two angles in a triangle is 90° . What kind of triangle is this?

10.) Tell whether each of the following sets of side lengths form a triangle. If the sides DO form a triangle, classify what type of triangle it is.

a.) 7, 12, 19

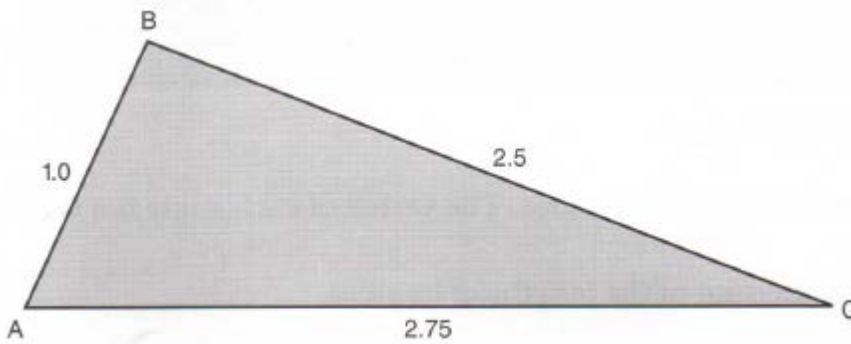
b.) 6, 8, 10

c.) 5, 5, 9

d.) 12.5, 6.7, 12.5

e.) 15, 15, 15

11.) Answer the three questions about triangle ABC.



a.) What kind of triangle is this?

b.) What is the perimeter of the triangle?

c.) Which angle of the triangle has the greatest measure?