**Constructions Unit Vocabulary PRE TEST**

1. Which of the following triangles has angles with a measure less than 90°? **CHOOSE ALL THAT APPLY**

1. Scalene
2. Acute
3. Right
4. Isosceles

2. What does a bisector do? **Choose all that apply.**

1. It divides an angle into two parts (not necessarily equal)
2. It divides a line segment into two equal parts.
3. It divides an angle into two equal parts.
4. It multiplies the line or segment by a factor of two.

3. List the following polygons in order of LEAST sides to MOST sides. **Choose all that apply.**

1. **pentagons, heptagons, octagons, decagons**
2. **heptagons, pentagons, hexagons, octagons**
3. **square, pentagon, heptagon, nonagon**
4. **pentagon, octagon, decagon, heptagon**

4. A regular rectangle is a square.

a) True

b) False

5. An obtuse triangle also has acute angles in it?

1. True
2. False

6. **Choose all that Apply**: A triangle with interior degrees of 30° 60° 90° is a

1. Scalene triangle
2. Right triangle
3. Obtuse triangle
4. Impossible

7. Subtract the number of sides a pentagon has from the number of sides an octagon has. What do you get?

1. 4
2. 5
3. 3
4. 1

8. What length do you set your compass to to divide an arc in six equal lengths? **Choose all that apply**

a) the diameter

b) the radius

c) any length

d) 1 inch

9. **CHOOSE ALL THAT APPLY** An equilateral triangle…

1. Has three sides of equal length
2. Three angles of equal measure
3. All 90° angles.
4. Has a hypotenuse.

10. In relation to constructions, a straightedge is

a) a clear plastic device devoid of markings.
b) can be shaped like a triangle as long as it has a straightedge
c) used for drawing straight lines or segments, but not for measuring.
d) all of the above.

11. **choose all that apply** When you construct a perpendicular bisector, you are also constructing:

 a) the midpoint

 b) a right angle

 c) a 90° angle

 d) none of the above

12. When constructing the bisector of a line segment, you are also constructing the perpendicular bisector of the segment.

a) True

b) False

13. Which construction is shown in the accompanying diagram?

1. The bisector of <ACD
2. The midpoint of DF
3. A perpendicular line to AB from D
4. The perpendicular bisector of AB