Day 1 Vocabulary

Define the following terms in your own words using different resources (Your textbook, the internet, dictionary, etc.)

- 1. Trigonometry: the study of relationships between the sides and angles of triangles OR the study of triangles
- 2. Angle: the union of two rays with a common endpoint formed by rotating the rays
- 3. Vertex: each angular point of a polygon, a common endpoint of an angle
- 4. Initial side of an angle: the position from which a ray is rotated about the vertex of an angle
- 5. Terminal side of an angle: determines the amount of rotation of the initial side of an angle, the ray that has been rotated about the vertex and gives us our angle measurement
- 6. Standard position of an angle: when the vertex is located at the origin of one ray and the initial side is on the positive x-axis
- 7. Co-terminal angles: the terminal sides of angles that coincide in standard position
- 8. Radian: a unit of angle measure essential angle of one radian intercepts an arc that has the same length as the radius of the circle ***
- 9. Central angle of a circle: when an angle's vertex is the center of a circle
- 10. Angular Velocity: how fast the radian measure of an angle is changing as the object moves on its circular path