Definitions to Memorize (You must write out the definition in words in a proof.) Also, for # 1 – 9, write the **converse** for each definition, and memorize these statements, as well.

1. Congruent Segments: If two segments are congruent then they have the same length.

2. Congruent Angles: If two angles are congruent, then they have the same degree measure.

3. Angle Bisector: If a ray bisects an angle, then it divides the angle into two congruent angles.

4. Complementary Angles: If two angles are complementary angles, then the sum of their measures is 90°.

5. Supplementary Angles: If two angles are supplementary angles, then the sum of their measures is 180°.

6. Perpendicular Lines: If two lines, segments, or rays are perpendicular, then they intersect to create 4 right angles.

7. Right Angles: If an angle is a right angle, then it has a measure of 90°.

8. Midpoint: If a point is a midpoint, then it is between the endpoints and equidistant from the endpoints of a segment.

9. Segment Bisector: If a point, line, or ray bisects a segment, then it divides the segment into two congruent segments.

10. Betweenness of Points: Point M is between points P and Q if and only if P, Q, M are collinear and $PM + MQ = PQ$