**Geometry UNIT 1 REVIEW: CONSTRUCTIONS AND DEFINITIONS**

 **Put all work and responses on another paper.**

1] For each term, make a drawing and write a definition: [a] line [b] segment [c] circle

 [d] angle [e] noncollinear points [f] skew lines

2] Construct a rhombus.

3] Emma constructed circles A, B and C so that each circle contains the centers of the other two circles. If Emma connects A and B, A and C, and B and C, what type of figure will she have? Be specific and justify your response. [HINT: A drawing might help.]

4] Does $\vec{AD}$ bisect / BAC? Explain your response.

5] Draw a segment and then construct its

 perpendicular bisector.

6] Construct a square.

7] Draw an angle. Label three points that show

 your angle is / VBH.

 [a] Explain why B is the middle letter in the name of the angle.

 [b] Construct the angle bisector of your angle. Label the bisector so that it is $\vec{BK}.$

 [c] Justify the fact that $\vec{BK}$ is the angle bisector of your angle.

8] Construct a parallelogram.

9] Juan hammered a steel rod into the ground. Then he used chalk to mark all the points that are equidistant from the rod. Name the figure he made with chalk.

10] Two angles have a sum of 37o. One angle is five degrees smaller than the other. Find the measure of both angles.

11] Tammy drew a segment that she labeled $\overbar{AB}$. Then she attempted to draw all the points that are the same distance from A and B. \*Explain what she must do, to guarantee that every point in her attempt is equally distant from A and B.