

Chapter 6 Quiz Prep

1. Vocab/Properties of Vocab terms (7 points)
 - a. “Always/Sometimes/Never” Format as well as “fill-in-the-blank”
 - b. Know definitions of and properties of each vocab term:
 - i. Perpendicular Bisector
 - ii. Angle Bisector
 - iii. Circumcenter
 - iv. Incenter
 - v. Midsegment

For example: CIRCUMCENTER

Definition: the point of concurrency of the perpendicular bisectors of the triangle

Properties:

1. equidistant from the vertices of the triangle
2. inside triangle when it is acute, on triangle when it is right, outside triangle when it is obtuse

2. Know and use the following theorems to find unknown lengths/measures (4 points):
 - a. Perpendicular Bisector Theorem and its converse
 - b. Angle Bisector Theorem and its converse
3. Use properties of incenters and the Incenter Theorem to find unknown lengths/measures (4 points)
4. Use the Triangle Midsegment Theorem to find unknown lengths/measures (6 points)
5. Write the equation of the perpendicular bisector of a segment in the coordinate plane (4 points)