

Chapter 9 Quiz Prep

1. Use the Pythagorean Theorem to find the length of an unknown side in a right triangle
2. Find the area of an isosceles triangle given only the side lengths of the triangle
 - a. REVIEW: In an isosceles triangle, the altitude bisects the vertex angle AND bisects the opposite side
3. Given 3 side lengths, verify that the lengths form a triangle. If so, classify it as acute, right, or obtuse.
4. Use Special Right Triangle rules to solve for lengths of unknown sides
 - a. 45-45-90 triangles
 - b. 30-60-90 triangles
5. Find the geometric mean of two numbers
6. Given a right triangle with the altitude to the hypotenuse, write a similarity statement that relates all three similar right triangles.
7. Use the Geometric Mean (Altitude) Theorem and the Geometric Mean (Leg) Theorem to solve for unknown side lengths.