

Chapter 9 Quiz Prep

1. Given two sides of a right triangle, use Pythagorean Theorem to solve for the third side.
 - a. Also know how to use Pythagorean Triples to do this
 - i. 3-4-5
 - ii. 5-12-13
 - iii. 8-15-17
 - iv. 7-24-25
2. Simplify square roots (i.e. simplify $\sqrt{40x^3y^7}$)
3. Given three sides of a triangle, classify the triangle as acute, right or obtuse.
4. Given a side length in a 30-60-90 or a 45-45-90 triangle, find the lengths of the remaining sides.
 - a. Also use them to find area and perimeter of the triangles.
5. Use the tangent ratio in a right triangle to find the length of a side.

Trig Ratios might be extra credit but you didn't hear that from me ☺