

Name: _____

Unit 7: Similar Triangles

Date: _____

7.1B Extended Ratios

Directions: Write the ratio in simplest form.

1. The ratio of three angles in a triangle are 2:9:4. Find the measure of the angles.

2. The ratio of the measures of the three angles in triangle is 10:3:7. Find the measure of the largest angle.

3. The ratio measures of the vertex angle to the base angle of an isosceles triangle is 7:4. Find the measures of the base angles.

4. The ratio of the measures of the sides of a triangle is 4:7:5. If the perimeter of the triangle is 128yds, find the length of the longest side.

5. The ratio of the sides of a triangle is 21:8:14. If the perimeter of the triangle is 215 feet, find the length of each side.

6. The perimeter of an isosceles triangle is 280cm. The ratio of the legs to the base is 3:4. Find all the lengths of the sides of the triangle.