



Geometry

Unit 7 Practice D

Name:

Date:

Per: 1 2 3 4 5 6

- 1) List 4 Pythagorean triples.
- 2) In a $30^\circ-60^\circ-90^\circ$ triangle, the ratio of the small leg to the long leg is:
- 3) If the side lengths of a triangle are 5, 8, and 12, then triangle is what type of triangle?
- 4) If the side lengths of a triangle are 7, 8, and 9, then triangle is what type of triangle?
- 5) An equilateral triangle has side lengths of 12. Find the length of its altitude.
- 6) If the side lengths of a triangle are 9, 12, and 15, then triangle is what type of triangle?
- 7) A triangle has side lengths of 12, 15, and 20. Decide whether it is an acute, right or obtuse triangle.
- 8) A softball “diamond” is a square with a side length of 60 feet. How far is the throw from third Base to first base? (Round your answer to one decimal)
- 9) What is the length of the side of a square whose diagonal is 8in?
- 10) Find the length of an altitude of an equilateral triangle whose side length is $6\sqrt{3}$
- 11.) Which is greater, the Arithmetic mean or the geometric mean of 7 and 26?