

Name _____
Right Triangle Review Sheet #1

Date _____ Class _____
Mr. Lynch

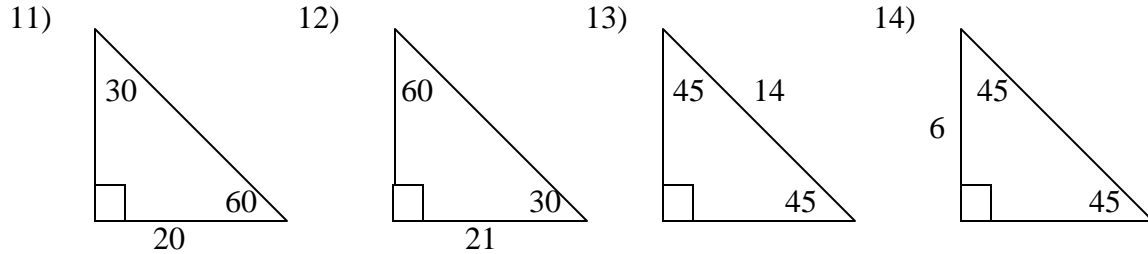
Simplify:

- 1) $\sqrt{343}$ 2) $3\sqrt{320}$ 3) $-4\sqrt{350}$ 4) $11/\sqrt{7}$ 5) $9/\sqrt{3}$ 6) $100/\sqrt{5}$

Find the geometric mean:

- 7) 67 and 98 8) 65 and 212 9) 717 and 888 10) 123 and 65

Find each of the missing sides:



Draw a diagram and answer each of the following:

15) A 15.5ft ladder is leaning against a building. The distance between the ladder and the building is 6.3 feet. How far up the building is the ladder?

16) A rectangle has sides of 12 and 8 inches. What is the length of a diagonal of the rectangle?

17) The distance between consecutive bases in a baseball diamond is 90 ft. How far is it from 1st to 3rd base? (nearest tenth)

Prove whether the following are the sides of a right triangle:

- 18) 7, 24, 25 19) 56, 58, 64 20) 13, 17, 22