Unit 7 Day 1 Practice – Pythagorean Theorem   Name:_____
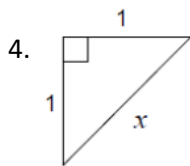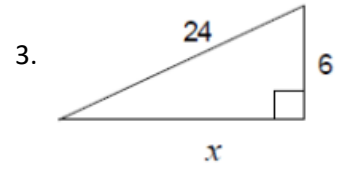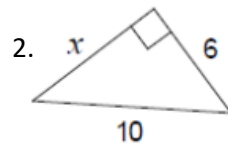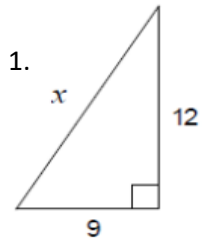
Solve for the missing side by using pythagorean theorem.

1.

x

12

9

2. x 6

10

3.

24

6

x

4.

1

1

x

5.

26

10

x

6.

7

3

x
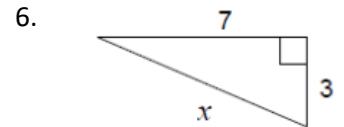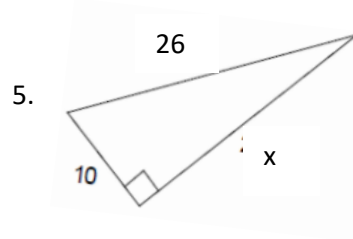
7. The bottom of a ladder must be placed 6 feet from a wall. The ladder is 10 feet long. How far above the ground does the ladder touch the wall?

8. Oscar's dog house is shaped like a tent. The slanted sides are both 5 feet long and the bottom of the house is 6 feet across. What is the height of his dog house, in feet, at its tallest point?