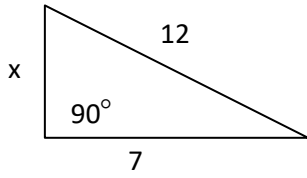
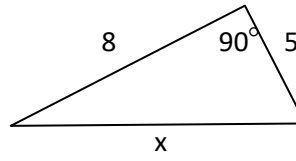


Topic 25 Pythagorean Theorem Problems

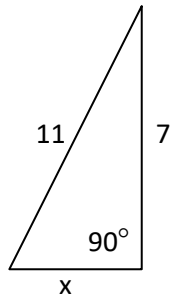
1) Find the value of x



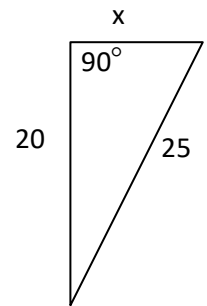
2) Find the value of x



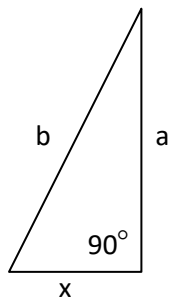
3) Find the value of x



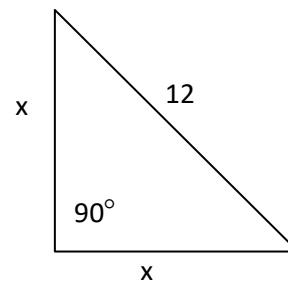
4) Find the value of x



5) Find the value of x



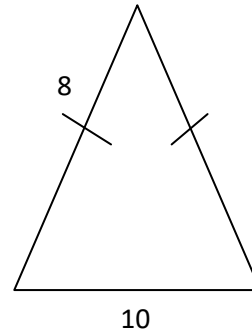
6) Find the value of x



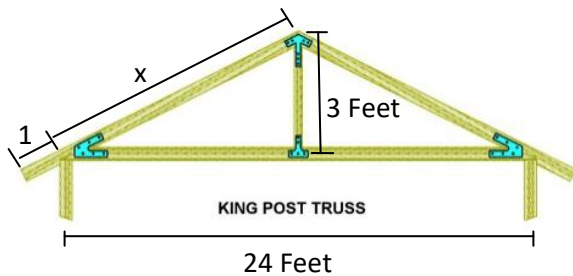
7) Given a rectangle (below) with dimensions of 8 by 4, find the length of the diagonal.



8) Find the height of the given triangle.



9) You need to find the length to the roof lumber. The King Post is 3 foot high and is in the center. You know that you will need a 1 foot over hang. What is the length of the roof lumber?



10) The manufacturer of a 15 foot ladder states that the ladder needs to be placed between 3 and 5 feet (inclusive) from the base of the house. How high can the ladder reach?

