

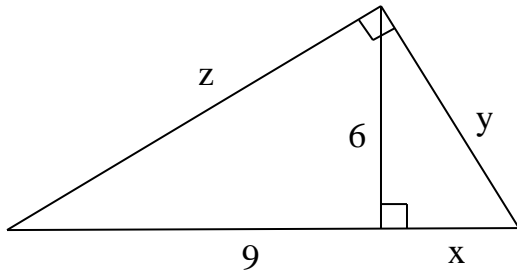
Geometry

Name _____

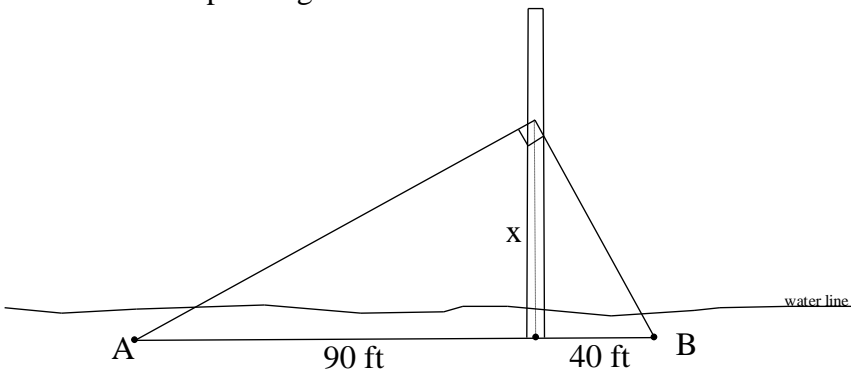
8.1 Geometric Mean

Date _____ Hour _____

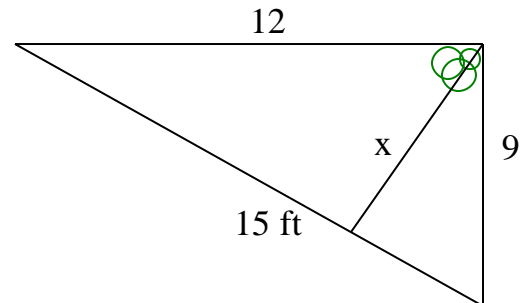
1) Find x , y , and z .



2) A photographer wants to take a picture of a beach front. His camera has a viewing angle of 90° and he wants to make sure two palm trees located at A and B are just inside the edges of the photo. He walks out on a pier to get the shot. At what distance down the walkway should he stop to take the picture?



3) A museum has a statue on display. The curator places the statue in the corner of a rectangular room and puts a 15 foot railing as shown. Use the information in the picture to find how close visitors will be able to get to the statue.



4) Pete is building a shed with a roof that comes to a peak at a right angle. Each side of the roof is 12 feet. How wide is the building? How tall is the triangle forming the roof?

