Pythagorean Theorem | Word Problems
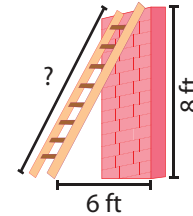
Solve the word problems. Round your answer to the nearest tenth.

1) Dan secures a ladder firmly to the wall to dust a photo frame mounted on the wall. The foot of the ladder is placed 6 feet from the wall. If the top of the ladder rests 8 feet up the wall, what is the length of the ladder?

2) If t   nal
   le

3) Ca
   th

4) A s   el
   99   t
   route that leads to the mystery island.
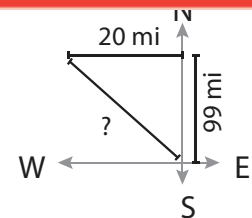
5) For her boat model, Dahlia cut a piece of fabric in the shape of a right triangle. If the length of the longest side was 8 inches and one of other two sides measured 4 inches, what was the length of the other side?