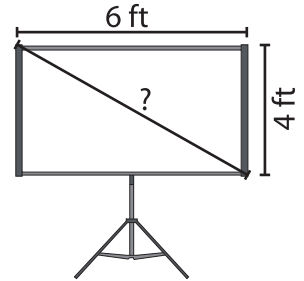# Pythagorean Theorem
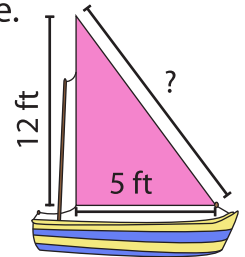
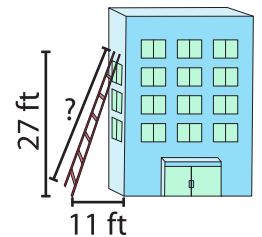Solve the word problems. Round the answer to the nearest tenth.

1) John wins a tripod projector screen in a lucky draw. The screen is 6 feet long and 4 feet wide. What is the diagonal length of the projector screen?
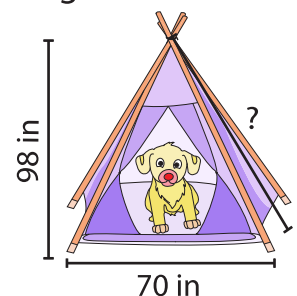
6 ft

?

4 ft

_____

2) The mast of a sailboat is 12 feet high. A sturdy rope that supports the mast to the deck is 5 feet away from the _____ ___e rope.

12 ft

?

5 ft

_____
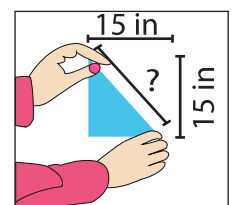
3) Ben props a ladder a _____ tween the base of the building and the foo _____ r touches the wall at a height of 27 feet. Wh _____

27 ft

?

11 ft

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_____

4) Sandra builds a dog _____ nches high and the base of the tent is 70 inch _____

98 in

?

70 in

_____

5) Anne was given a sheet of paper during her math class. She was asked to fold the paper, so as to get the adjacent sides to meet, as shown in the figure. The paper was 15 inches long and 15 inches wide. How much would the diagonal edge of the paper measure?

15 in

?

15 in

_____