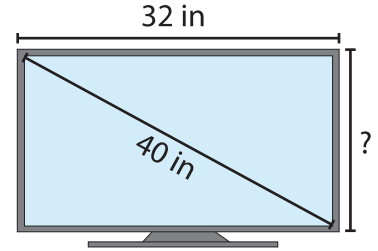Name : _____

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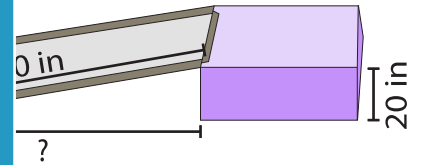
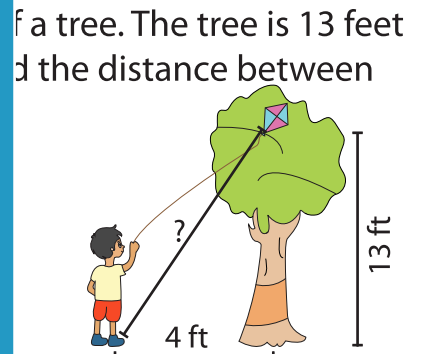Solve the word problems. Round the answer to the nearest tenth.

1) Rebecca bought an LED television set that is 32 inches long. The diagonal length measures 40 inches. What is the width of the television screen?
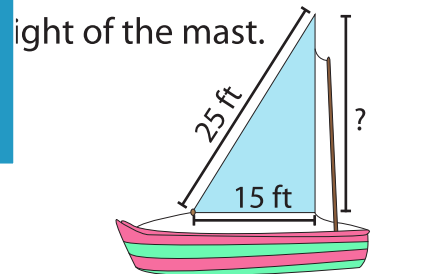
32 in

40 in

?

_____

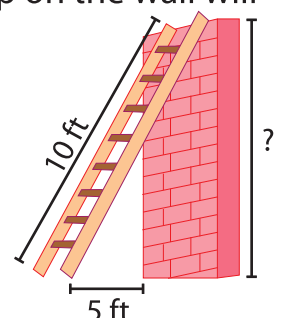2) A ramp is elevated to a height of 20 inches. The length of the ramp is 40 inches. What is the horizontal distance b_____base?

0 in

20 in

?

_____

3) Daniel was flying a k_____ f a tree. The tree is 13 feet high. Daniel is stand_____d the distance between the kite and Daniel's_____

?

13 ft

4 ft

_____

4) The mast of a sailboa_____ends from the tip of the mast to the deck and_____e that is attached to the deck is 15 feet away_____ight of the mast.

25 ft

15 ft

?

_____

5) Paul props a ladder against a wall which measures 10 feet. How high up on the wall will the ladder reach, if the foot of the ladder is 5 feet away from the wall?

10 ft

5 ft

?

_____

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