

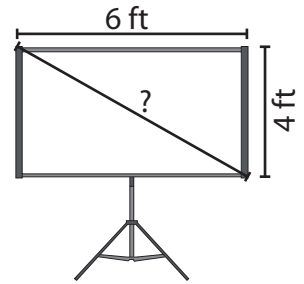
Name : \_\_\_\_\_

## Pythagorean Theorem

Level 1: S3

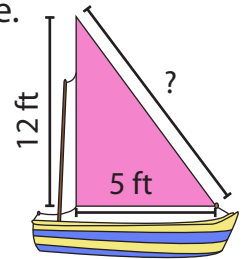
Solve the word problems. Round the answer to the nearest tenth.

- 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?



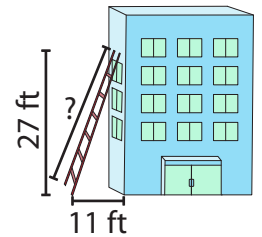
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- 2) The mast of a sailboat is 12 feet high. A sturdy rope that supports the mast to the deck is 5 feet away from the base of the mast. How long is the rope?



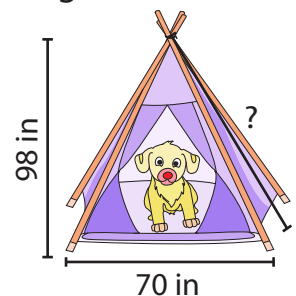
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- 3) Ben props a ladder against a building and the foot of the ladder is 11 feet away from the base of the building. The top of the ladder touches the wall at a height of 27 feet. How long is the ladder?



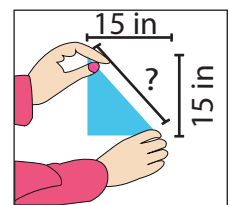
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- 4) Sandra builds a doghouse for her dog. The height of the tent is 98 inches and the base of the tent is 70 inches wide. How long are the sides of the tent?



\_\_\_\_\_

- 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?



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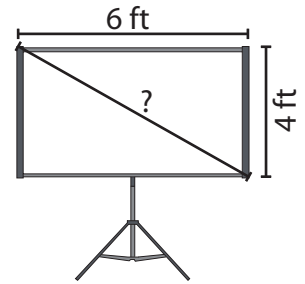
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**Pythagorean Theorem**

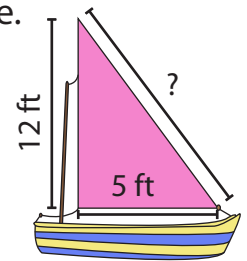
Level 1: S3

Solve the word problems. Round the answer to the nearest tenth.

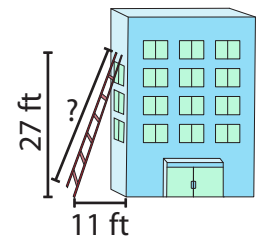
- 1) John wins a tripod projector screen in a lucky draw. The screen is 6 feet long and 4 feet wide. What is the diagonal length of the projector screen?

**7.2 feet**

- 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 base of the mast. How long is the rope?

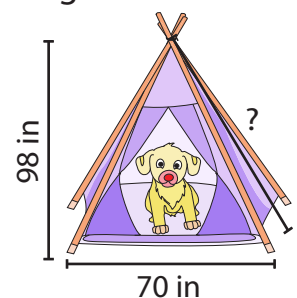
**13 feet**

- 3) Ben props a ladder against a building and the foot of the ladder is 11 feet away from the base of the building. The top of the ladder touches the wall at a height of 27 feet. How long is the ladder?

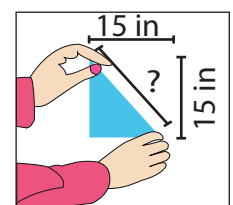
**29.2 feet**

- 4) Sandra builds a doghouse. The height of the tent is 98 inches and the base of the tent is 70 inches wide. How long are the sides of the tent?

The height of the tent is 98 inches and the base

**104.1 inches**

- 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?

**21.2 inches**

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