

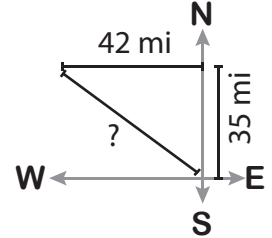
Name : _____

Pythagorean Theorem

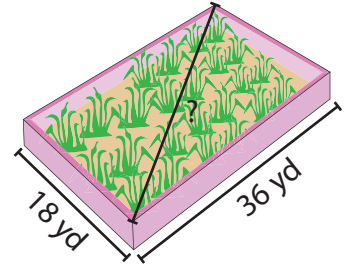
Level 1: S1

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

- 1) Mark is on his way home from work. He drives 35 miles due North and then 42 miles due West. Find the shortest distance he can cover to reach home early.



- 2) Mr. Richard owns an orchard that has a rectangular fence. The orchard is 36 yards long and 18 yards wide. If he walks from one corner to the opposite corner, how much distance would he cover?



- 3) Joey made a sandwich in half as shown in the diagram.

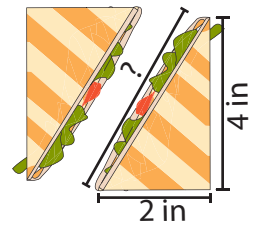
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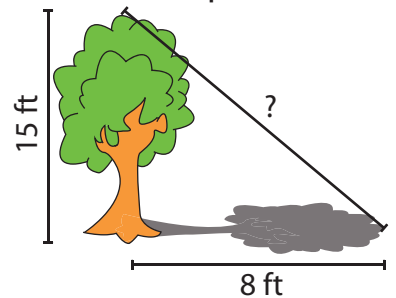
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- If he cuts the sandwich of the sandwich?

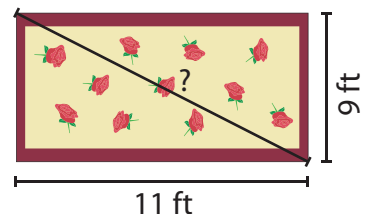


- 4) A 15 feet tree casts a shadow of 8 feet. How far is the tip of the shadow from the tip of the tree?

- How far is the tip of the shadow from the tip of the tree?



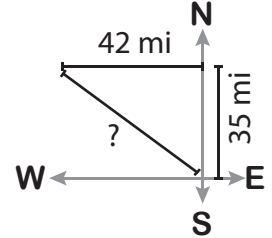
- 5) Rachel bought a rug for her apartment. The rug is 11 feet long and 9 feet wide. Find the diagonal length of the rug.



Pythagorean Theorem

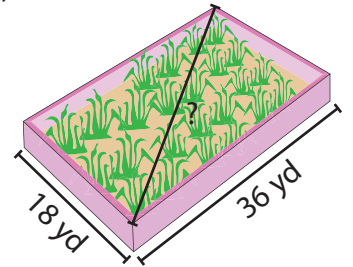
Solve the word problems. Round the answer to the nearest tenth.

- 1) Mark is on his way home from work. He drives 35 miles due North and then 42 miles due West. Find the shortest distance he can cover to reach home early.



54.7 miles

- 2) Mr. Richard owns an orchard that has a rectangular fence. The orchard is 36 yards long and 18 yards wide. If he walks diagonally across the orchard, how much distance would he cover?

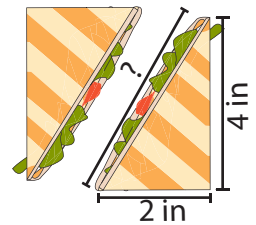


40.2 yards

- 3) Joey made a sandwich in half as shown in the diagram.

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If he cuts the sandwich of the sandwich?



4.5 inches

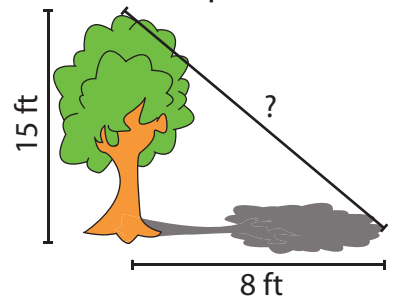
- 4) A 15 feet tree casts a shadow of 8 feet. How far is the tip of the shadow from the tip of the tree?

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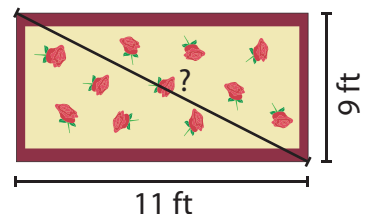
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How far is the tip of the shadow from the tip of the tree?



17 feet

- 5) Rachel bought a rug for her apartment. The rug is 11 feet long and 9 feet wide. Find the diagonal length of the rug.



14.2 feet