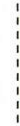


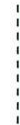
Name: _____

staple



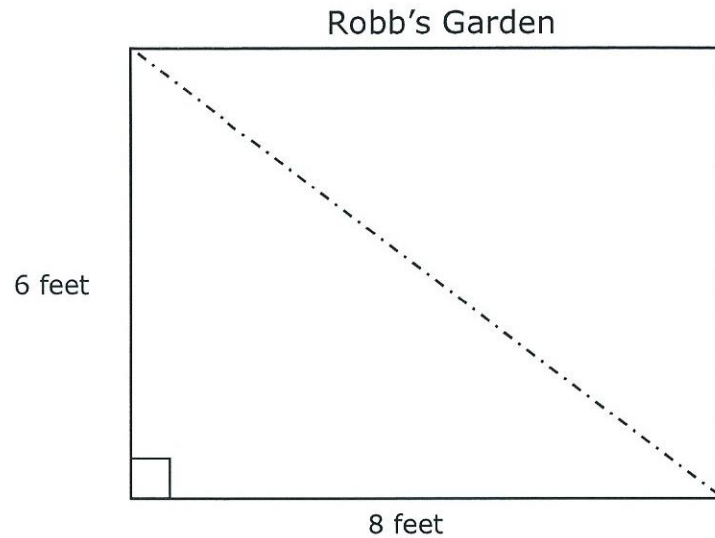
fold line

staple



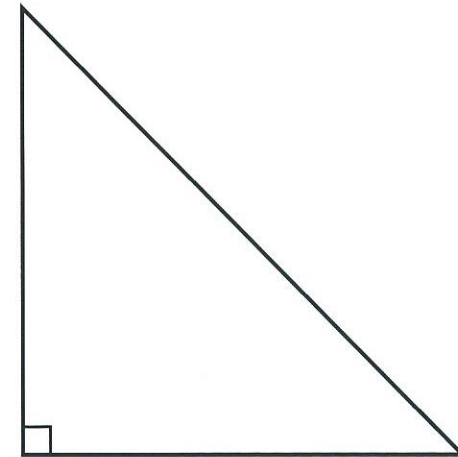
Right Triangles
and the
Pythagorean Theorem

1. Robb designed a garden in the shape of a rectangle. He plans to build a fence through the garden, as shown below.

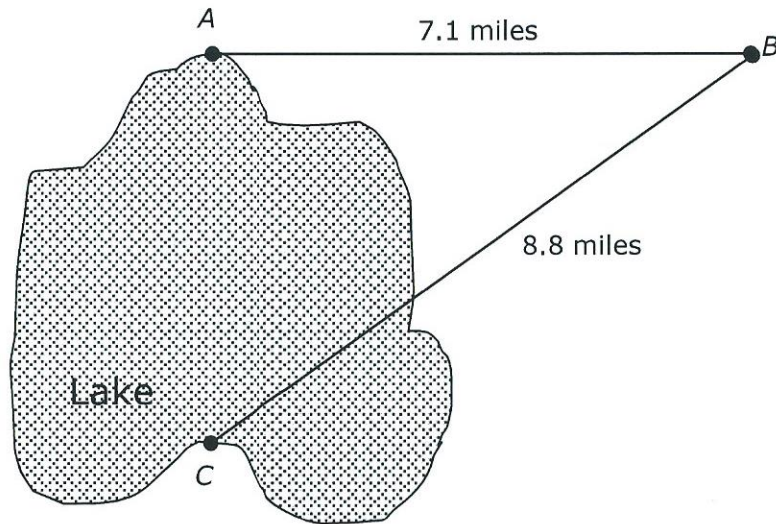


The fence Robb plans to build is represented by what part of the right triangle?

Pythagorean Theorem

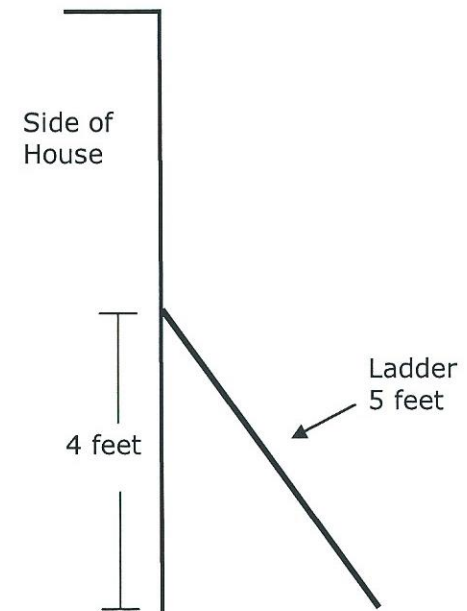


3. The Parks and Recreation committee is thinking of building a bridge across the park lake from point A to point C , as shown in the figure below.



The distance across the pond is represented by what part of the right triangle?

4. A ladder leans against the side of a house. The bottom of the ladder is away from the base of the house, as shown below.

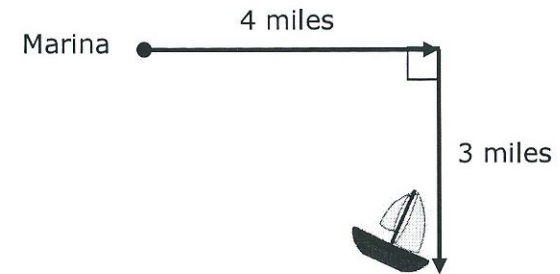


The distance the ladder is from the base of the house is represented by what part of the attached right triangle?

Extra Triangles

1. Attach any remaining right triangles below. Label them Triangle A and Triangle B.
2. Use a ruler to measure the legs of each right triangle to the nearest tenth of a centimeter.

2. Brian sailed east from the marina and then sailed south, as shown in the diagram below.



The shortest distance to the marina is represented by what part of the right triangle?