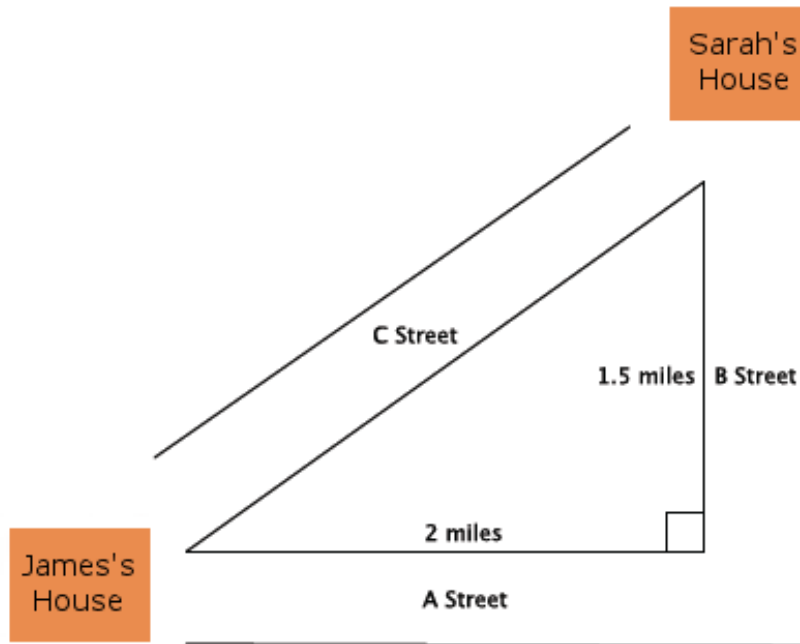
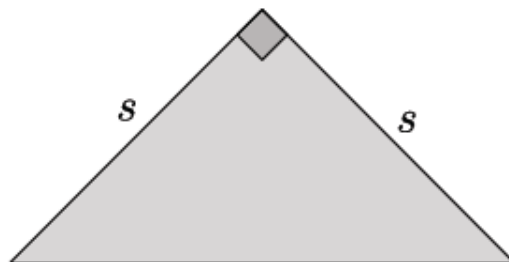


Problem Set

1. A 70" TV is advertised on sale at a local store. What are the length and width of the television?
2. There are two paths that one can use to go from Sarah's house to James' house. One way is to take C Street, and the other way requires you to use A Street and B Street. How much shorter is the direct path along C Street?

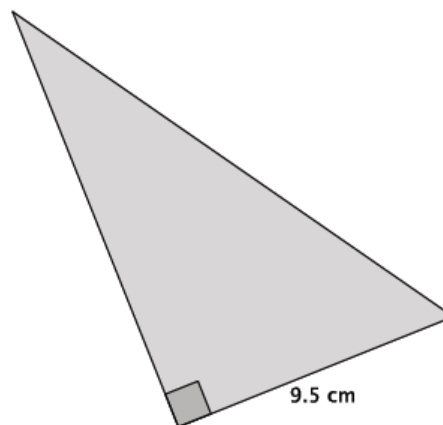


3. An isosceles right triangle refers to a right triangle with equal leg lengths, s , as shown below.



What is the length of the hypotenuse of an isosceles right triangle with a leg length of 9 cm? Write an exact answer using a square root and an approximate answer rounded to the tenths place.

4. The area of the right triangle shown to the right is 66.5 cm^2 .
- What is the height of the triangle?
 - What is the perimeter of the right triangle? Round your answer to the tenths place.



5. What is the distance between points $(1, 9)$ and $(-4, -1)$? Round your answer to the tenths place.
6. An equilateral triangle is shown below. Determine the area of the triangle. Round your answer to the tenths place.

