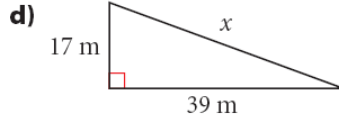
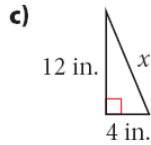
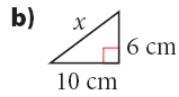
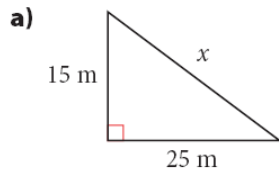
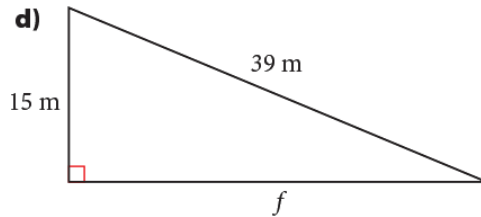
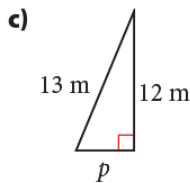
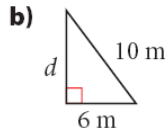
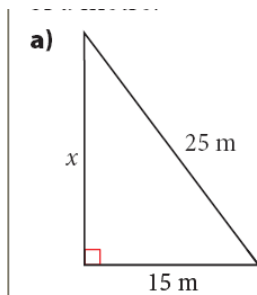


# Pythagorean Theorem

1. Find the length of the hypotenuse.



2. Find the length of the indicated side.



3. The hypotenuse of a right triangle has a length of 14.3 cm. One leg measure 10.3 cm. Find the length of the other leg.

4. A 6.3 m ladder is placed against a wall. The base of the ladder is 3.2 m from the wall. The top of the ladder is then lowered 2 m. How far is the base of the ladder from the wall?

Answer Key:

1. a. 29.2 m   b. 11.7 cm   c. 12.6 in   d. 42.5 m   2 a. 20 m  
b. 8 m   c. 5 m   d. 36 m   3. 9.9 cm.   4. 4.83 m