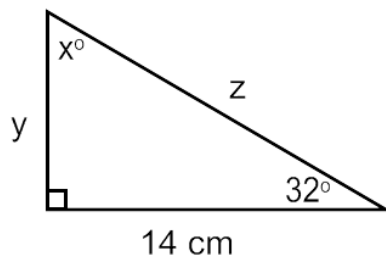To solve a triangle, means to determine the value of each unknown side length and each unknown angle. We can use any of the following to help determine the unknown values:

- Pythagorean Theorem
    (if two side lengths are known)
- Sum of interior angles in a triangle
    (if one of the acute angles is known)
- SOH CAH TOA
    (if an acute angle and side length are known OR two side lengths are known)

Example 1: Solve each triangle. Round side lengths to nearest tenth and angles to the nearest degree.

a)

b)