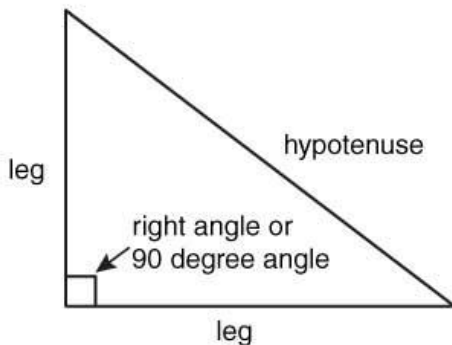# Lesson 1: Pythagorean Theorem

Review what you have learned prior to completing the Lesson Assignment.

Key Ideas

- The formula used for the Pythagorean Theorem: $a^2 + b^2 = c^2$

- The sum of the squares of legs of a triangle with be equal with the square of the hypotenuse.
- The hypotenuse is always the longest side of a right angled triangle

- By using the Pythagorean Theorem, you can solve for the third side (leg or hypotenuse) if the other two side lengths are known.
- The Pythagorean Theorem can only be used with right angled triangles.

- The sign for a right angle is a small square in the corner of the 90 degree angle.

Key Terms

- legs

- hypotenuse

- right angle

- Pythagorean Theorem