

Prealgebra ~ Lesson 38

Work the following examples as you listen to the recorded lecture.

Square Roots and the Pythagorean Theorem

Find the square roots of the following:

Example 1: $\sqrt{9}$

Example 2: $\sqrt{121}$

Example 3: $\sqrt{\frac{1}{81}}$

Estimate the roots of the following:

Example 4: $\sqrt{5}$

Example 5: $\sqrt{12}$

Pythagorean Theorem

1. $a^2 + b^2 = c^2$
2. Only used for right triangles.
3. The longest side, opposite the right angle, is c.

Example 6:

12 inches

