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: $\sqrt{\dfrac{1}{81}}$

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

5 inches