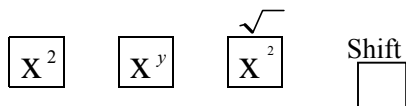


# LESSON 5

## Powers & Roots

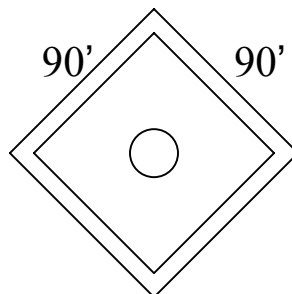
### Keys:



### Try this

1. Find the size of tarp needed to cover an entire baseball infield.

$$A = s^2 \quad A = 90^2$$



Enter 90  $x^2$  =

Display 8100

baseball field

2. Find the length of a side of a square room if 36 square feet of carpet would cover the floor.

$$x^2 = 36 \quad \sqrt{36} = x$$

Enter 36 Shift  $x^{\sqrt{\quad}}$  =

Display 6

## Lesson 5 continued

### Try this

3. Find:  $2^6$

Enter 2  6

Display: 64

4. Find:  $\sqrt{2} + \sqrt{3} + \sqrt{5}$

Enter 2    3    5

Display: 5.3823

### Using Pythagorean Theorem

### Try this

5. If a ladder is placed 6 ft from a house and 8 ft up the side of the house. How long must the ladder be?

$$6^2 + 8^2 = c^2$$

Enter: 6   8

Display: 10

