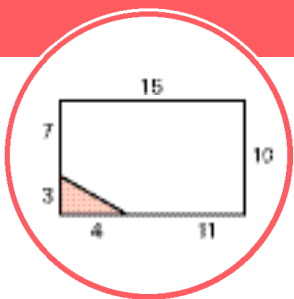# Exploring Area

Complete the following word problems on a separate sheet of paper. Then explore area using the Area Formula App on your TI-73 Explorer™.
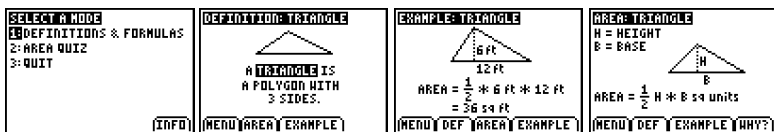

n   John has a plot of land that is 5 acres by 5 acres. How much is his land worth if the cost is $2,000 per acre?

n   A contractor was hired to put tile in the room pictured above. The tile will be placed in the shaded area. The dimensions are in feet. How many square feet of tile are required?

Before you begin, you will need the Area Formula App loaded on your TI-73 Explorer. Read the instructions and download the App from education.ti.com/apps

Engage

1. Turn on your TI-73 Explorer and press [APPS]
2. Scroll down to find AreaForm and press [ENTER]
3. Press any key to go through the beginning screens
4. On the Select a Mode screen, press [1] 1: Definitions and Formulas
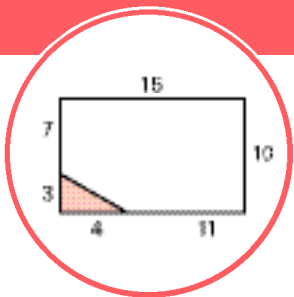5. Press [4] 4: Triangle and read the definition

Exploring Area

Explore
1. To find the area of a shape, press <AREA> (WINDOW)
2. To see an example of finding the area, press <EXAMPLE> (ZOOM)

Note: To get back to a previous screen, press 2nd [QUIT] or <MENU> (Y=)

Extend
It's your turn to find the area of a shape on your own!
1. On the Select a Mode screen, press 2 for 2: Area Quiz
2. Select your level by using the ▲ ▼ and press ENTER
3. Use pencil and paper to figure out the correct answer
4. Select <A> (WINDOW), <B> (ZOOM) , <C> (TRACE), <D> (GRAPH)