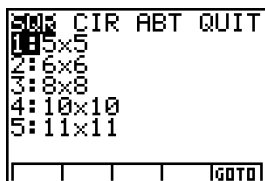
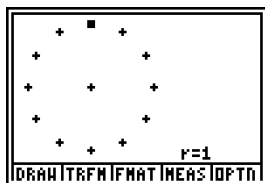


Area of an Equilateral Triangle

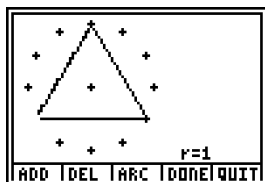
Construct objects of various sizes of circular or square boards right on the Home Screen of the TI-73 Explorer. The Geoboard App provides the ability to measure arcs, line segments, area and perimeter, as well as rotate, reflect, and translate objects. This App makes the TI-73 Explorer an ideal addition to any middle grades mathematics classroom.



1
Press [APPS]. Scroll to *Geoboard* and press [ENTER]. Press any key to access the Geoboard main menu.

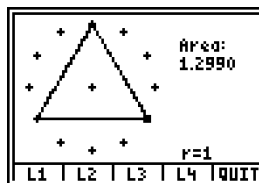


2
Press [] once to highlight CIR. Then press [ENTER]. A circular Geoboard is displayed.



3
Press the [DRAW] soft key by pressing [Y=] ([Y=] [WINDOW] [ZOOM] [TRACE] [GRAPH] refer to the "soft keys" above the actual keys above them on the TI-73 Explorer screen). Now press [ADD] [] [] [] [] [ADD], this will add the first two points of your equilateral triangle. Next, press [] [] [] [] [ADD] [DONE] [QUIT]. Now you have completed an equilateral triangle.

4
To measure the object's area, press [MEAS]. Choose 2:AREA.



5
Place the cursor on one of the points on the triangle and press [ENTER]. The area will appear on the screen. Press [L1] to store the measurement in List 1 of the TI-73 Explorer.

6
To exit the Geoboard App, press [OPTN]. Choose 1:MAIN MENU. Choose 2:YES and then 1:NO. Press [] [] to highlight QUIT, then press 2:YES.

The above activity is a small demonstration of what this App can do for any student of geometry. Feel free to explore the other geometric activities and download the manual from the TI website, education.ti.com