# Science Tools App

TI-84 Plus

This App is designed for the science classroom. Easily do unit conversions, as well as use the graphing and vector tool, handle constants and conversions, and deal with significant figures with the significant figures calculator.

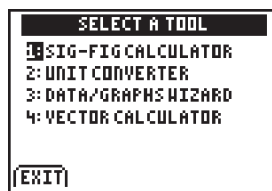## Exploring the Significant Figures Calculator

1

Press [APPS], and use ▲▼ to highlight and choose SciTools. Press [ENTER]. Press any key to enter the Science Tools App.
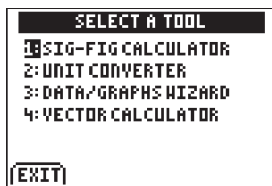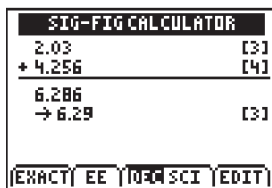

2

Choose 1:SIG-FIG CALCULATOR.

3

Type 2.03 + 4.256 and press [ENTER]. Notice how the environment takes into account the number of significant digits when performing computations.

4

Press [ENTER] to clear the screen. Now input 6.0 and press [Y=] [EXACT] (Note: Press [Y=], [WINDOW], [ZOOM], [TRACE], and [GRAPH] to access the "soft keys.") This marks 6.0 as an exact value, and will not affect the number of significant figures in the final result. Press [×], and input 25.24. Press [ENTER].
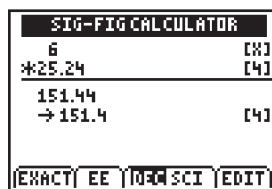
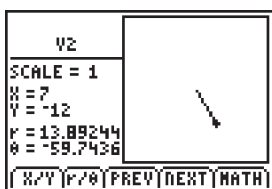## Exploring the Vector Calculator (Great for physics!)

1

Press [APPS], and use ▲▼ to highlight and choose SciTools. Press [ENTER]. Press any key to enter the Science Tools App.

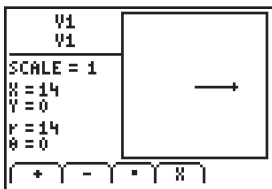

2

Choose 4:Vector Calculator.

3

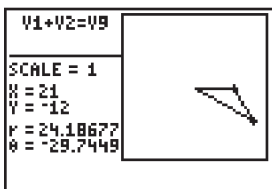Using the cursor pad, draw a vector graphically. When satisfied press [ENTER].

4

Press [Y=] [X/Y] to input a vector's coordinates. Key in 7 for the X-value, and -12 for the Y-value, and then press [GRAPH] [VIEW]. Notice the "r" and "q" values are computed.

5

Press [MATH]. Choose V1 (the first vector) by pressing the [PICK] button.

6

Choose [+] and then press [NEXT] to find the second vector. Once found, press [PICK]. Notice how the resultant vector is computed and drawn.