

Rectangular coordinate graphs

Example

Use rectangular coordinate to enter two graph equations and shade the area surrounded by the graphs

Before carrying out the following operation, press the reset switch located on the back of the unit and press **CL** **ENTER** keys (caution: previously entered equations and memory will be erased).

Key Operation

Display

Notes

1 **2nd F** **SET UP** **E** **1**



Specify Rect mode on the screen.

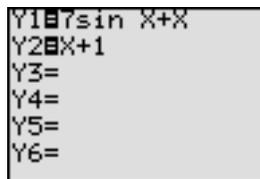
As shown, Rect corresponds to **E COORD**. The example shows the initial settings of the EL-9400.

2 **Y=** **7** **sin** **X/T**
+ **X/T** **ENTER**



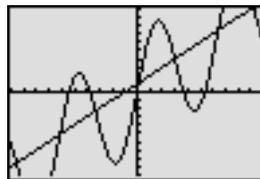
Enter graph equation "7sinX+X" at Y1.

3 **X/T** **+** **1**
ENTER



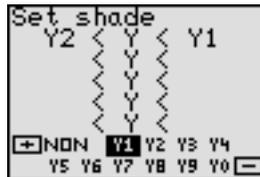
Enter graph equation "X+1" at Y2.

4 **GRAPH**



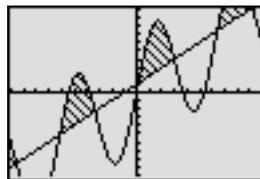
Display the graph.

5 **2nd F** **DRAW** **G** **1**
- **-** **▶** **-**



Specify the area surrounded by the two graph equations to be shaded. (Y2<Y<Y1 on screen shows area to be shaded as larger than Y2 and smaller than Y1).

6 **GRAPH**



Return to the graph display and the specified area will be shaded.