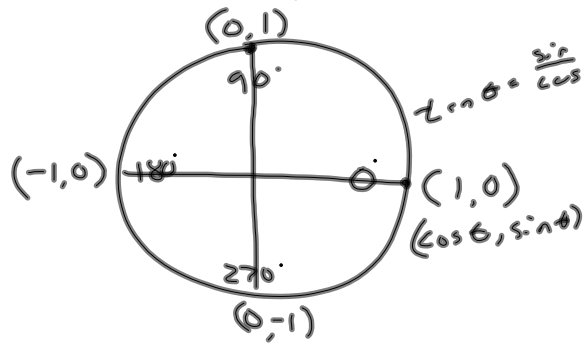
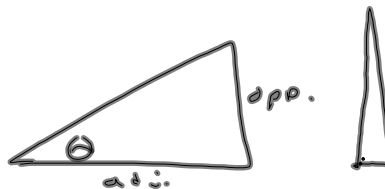
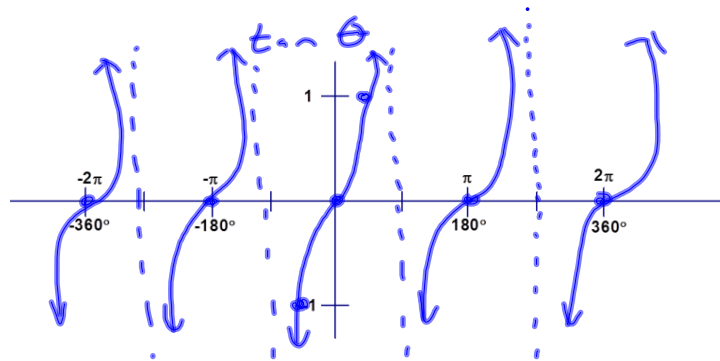
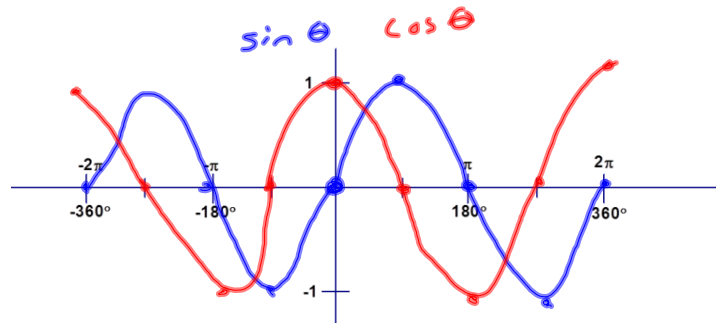
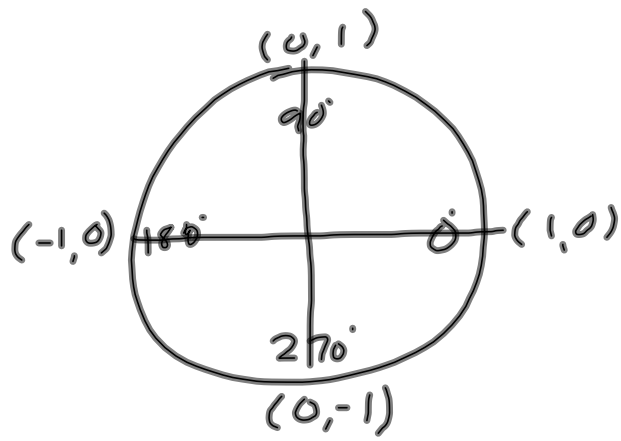


5-1-14  
3<sup>rd</sup> Trig



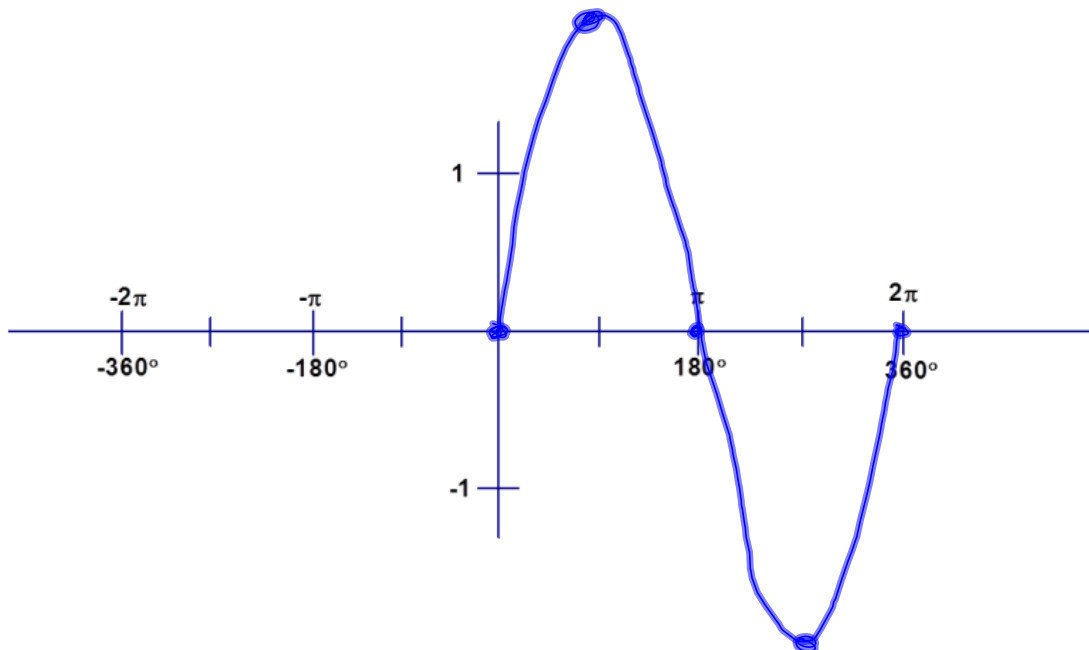
| $\theta$ | $\sin \theta$ | $\cos \theta$ | $\tan \theta$ |
|----------|---------------|---------------|---------------|
| 0°       | 0             | 1             | 0             |
| 90°      | 1             | 0             | undefined     |
| 180°     | 0             | -1            | 0             |
| 270°     | -1            | 0             | undefined     |
| 360°     | 0             | 1             | 0             |

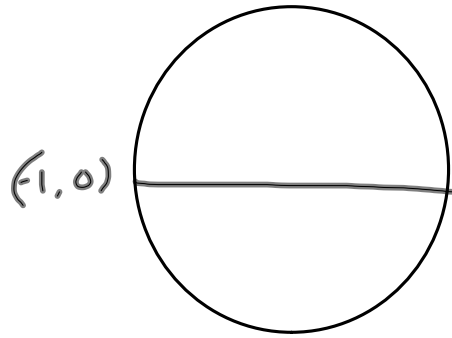




| $\theta$    | $\sin \theta$ | $2 \sin \theta$ |
|-------------|---------------|-----------------|
| $0^\circ$   | 0             | 0               |
| $90^\circ$  | 1             | 2               |
| $180^\circ$ | 0             | 0               |
| $270^\circ$ | -1            | -2              |
| $360^\circ$ | 0             | 0               |

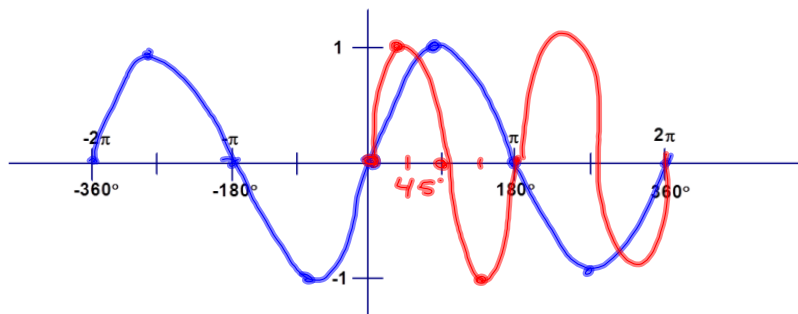
$2 \sin \theta$



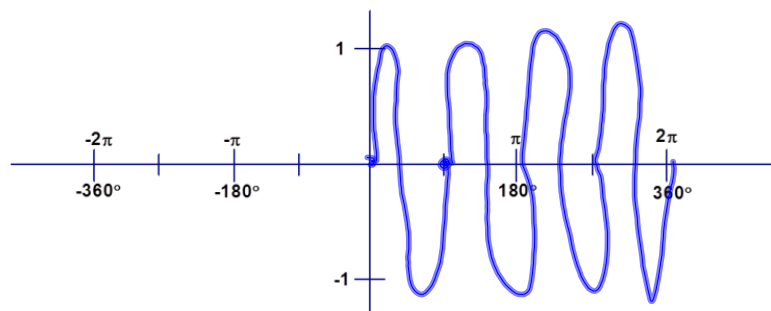


| $\theta$    | $\sin \theta$ | $\sin 2\theta$ |
|-------------|---------------|----------------|
| $0^\circ$   | 0             | 0              |
| $90^\circ$  | 1             | 0              |
| $180^\circ$ | 0             | 0              |
| $45^\circ$  |               | 1              |

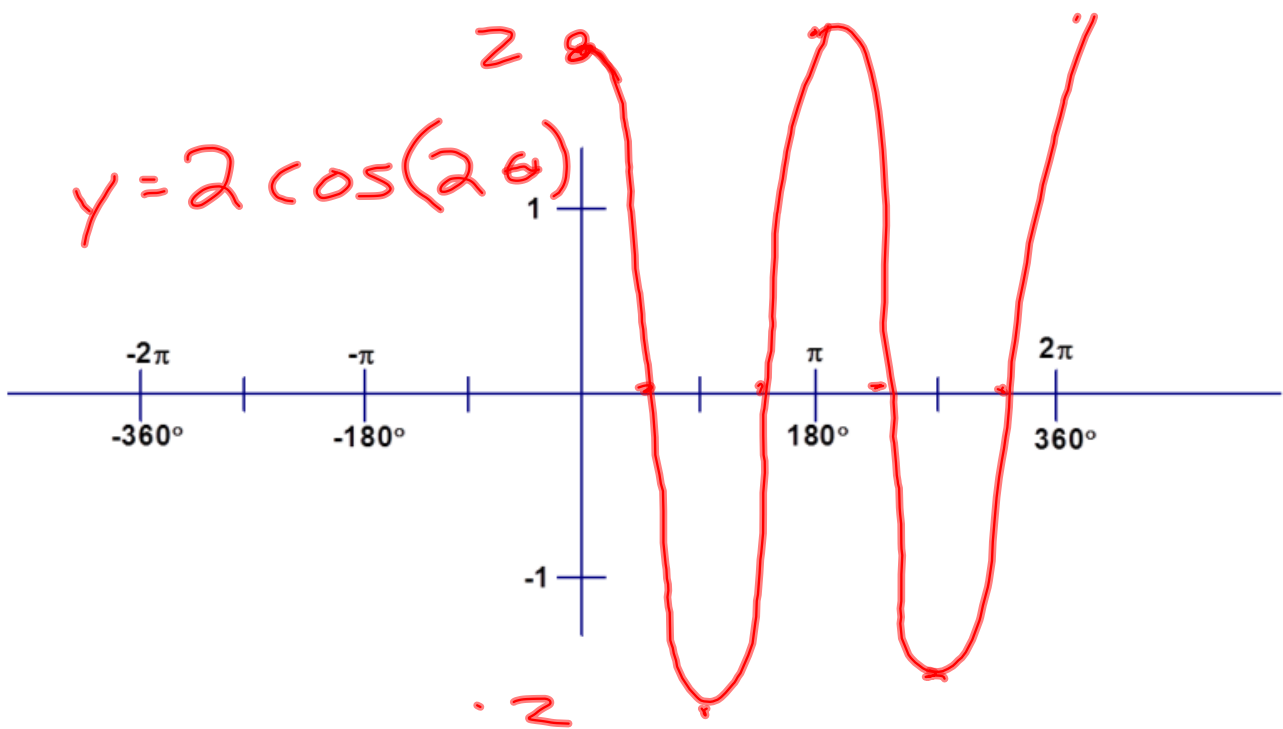
$\sin \theta$        $\sin 2\theta$



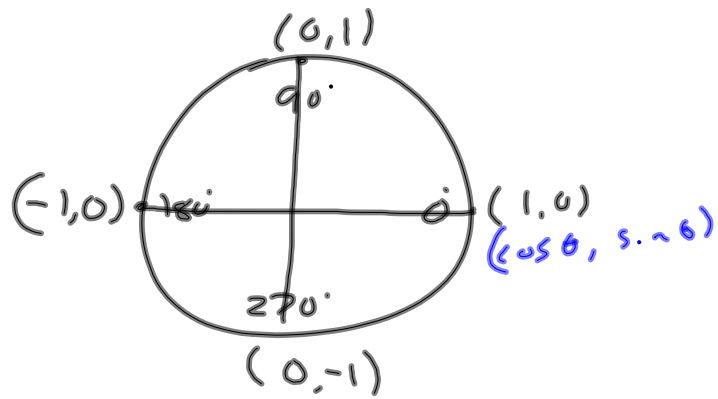
$\sin 4\theta$



$$y = 2 \cos(2\theta)$$

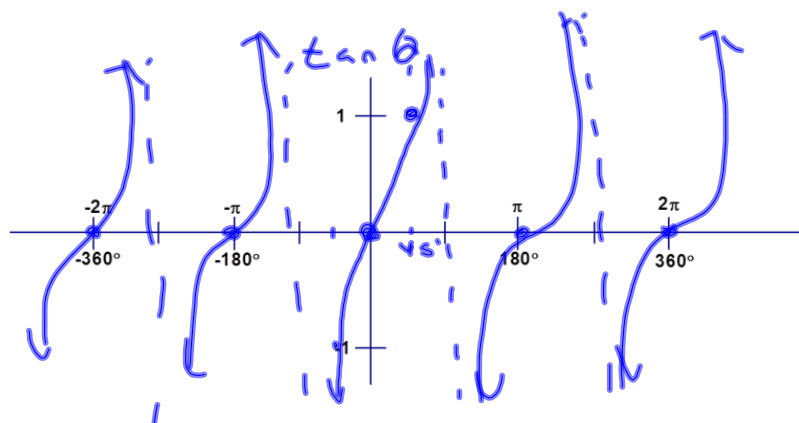
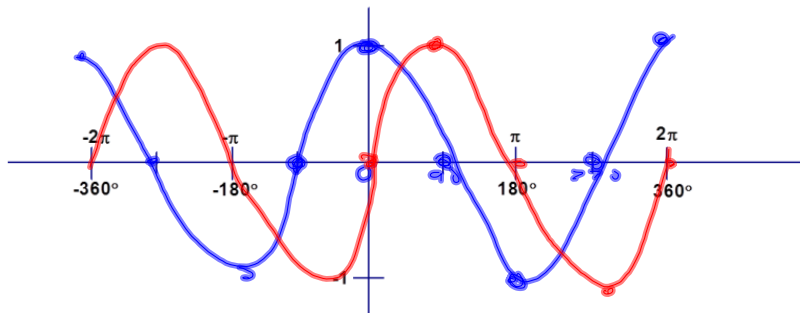


5-1-14  
4<sup>th</sup> Trig

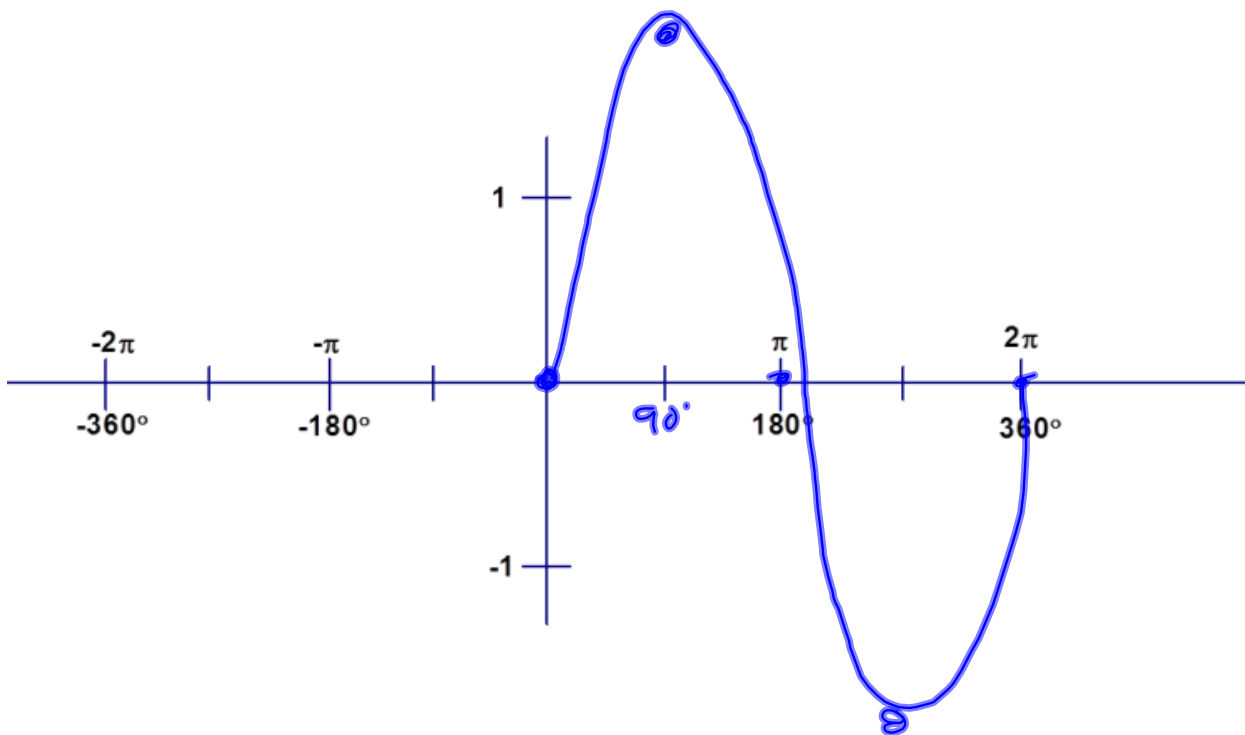


| $\theta$    | $\cos \theta$ | $\sin \theta$ | $\tan \theta = \frac{\sin \theta}{\cos \theta}$ |
|-------------|---------------|---------------|---|
| $0^\circ$   | 1             | 0             | $\frac{0}{1} = 0$                               |
| $90^\circ$  | 0             | 1             | $\frac{1}{0} = \text{und.}$                     |
| $180^\circ$ | -1            | 0             | $\frac{0}{-1} = 0$                              |
| $270^\circ$ | 0             | -1            | $\frac{-1}{0} = \text{und.}$                    |
| $360^\circ$ | 1             | 0             | $\frac{0}{1} = 0$                               |

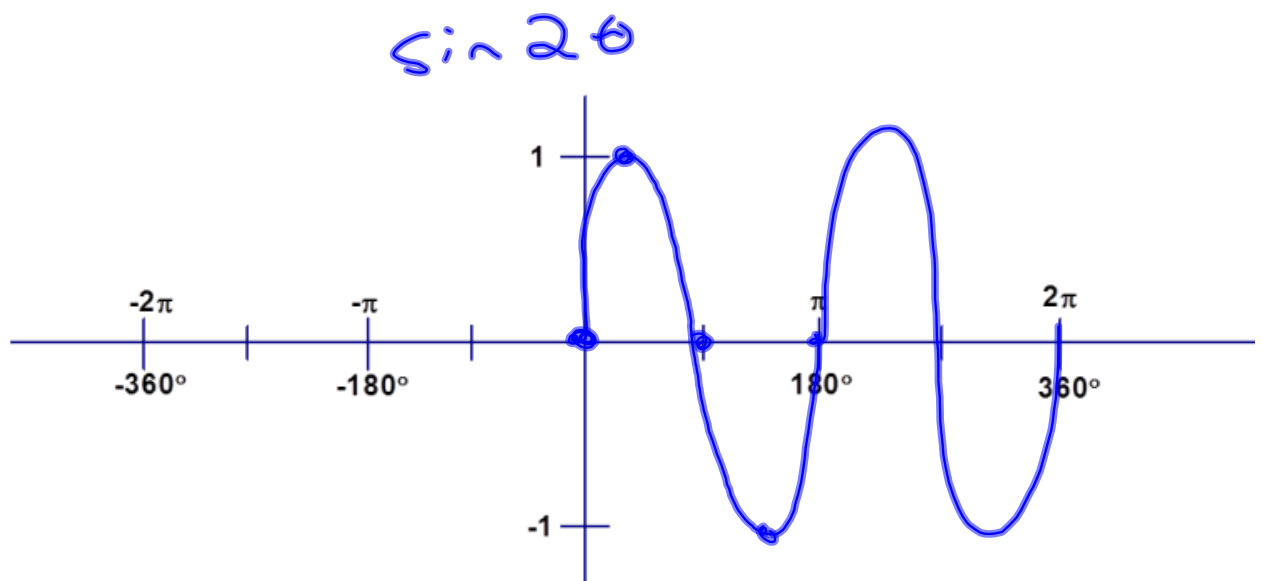
$\cos \theta$        $\sin \theta$



| $\theta$    | $\sin \theta$ | $2 \cdot \sin \theta$ |
|-------------|---------------|-----------------------|
| $0^\circ$   | 0             | 0                     |
| $90^\circ$  | 1             | 2                     |
| $180^\circ$ | 0             | 0                     |
| $270^\circ$ | -1            | -2                    |
| $360^\circ$ | 0             | 0                     |

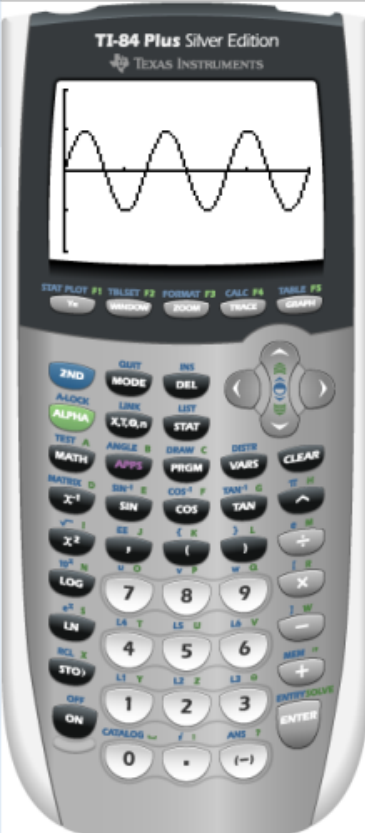


| $\theta$    | $\sin 2\theta$ |
|-------------|----------------|
| $0^\circ$   | 0              |
| $90^\circ$  | 0              |
| $180^\circ$ | 0              |
| $45^\circ$  | 1              |



TI-SmartView

File Edit View Tools Scripts Help



TI-84 Plus Silver Edition  
TEXAS INSTRUMENTS

WINDOW

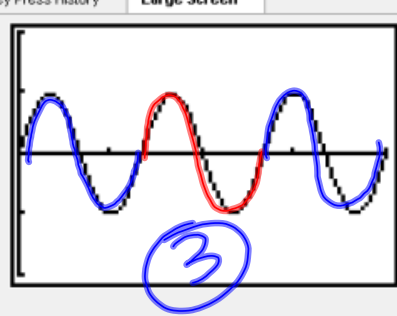
Xmin=0  
Xmax=6.2831853...  
Xscl=1.5707963...  
Ymin=-2  
Ymax=2  
Yscl=1  
Xres=1

Window

| X       | Y1     |
|---------|--------|
| 0       | 0      |
| MINIMUM | .14112 |
|         | -.2794 |
|         | .41212 |
|         | -.5366 |
| MAXIMUM | .65029 |
|         | -.751  |

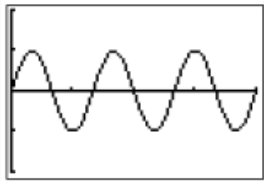
X=0

Table



Key Press History

Large Screen

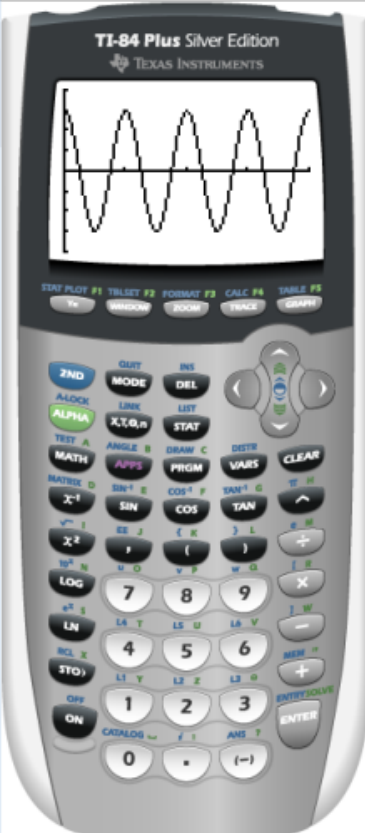


Graph



TI-SmartView

File Edit View Tools Scripts Help



TI-84 Plus Silver Edition  
TEXAS INSTRUMENTS

WINDOW

Xmin=0  
Xmax=6.2831853...  
Xscl=1.5707963...  
Ymin=-4  
Ymax=4  
Yscl=1  
Xres=1

Window

| X | Y1     |
|---|--------|
| 0 | 3      |
| 1 | -1.961 |
| 2 | -4.365 |
| 3 | 2.5316 |
| 4 | 2.873  |
| 5 | 1.224  |
| 6 | 1.2725 |

Table

X=0

Graph

Key Press History

Large Screen

$y = 3\cos(4\theta)$