

Calculator On Your



Making Valentine's Messages

```
Plot1 Plot2 Plot3
\Y1=abs(X)+√(1-X
2)
\Y2=abs(X)-√(1-X
2)
\Y3=
\Y4=
\Y5=
WINDOW
Xmin=-2
Xmax=2
Xscl=1
Ymin=-2
Ymax=2
Yscl=1
Xres=1
ZectOn PolarGC
CoordOff CoordOff
GridOff GridOn
AxesOn AxesOff
LabelOff LabelOn
ExprOn ExprOff
```

1. In the y= menu, type in the equations $y = |x| + \sqrt{1-x^2}$ and $y = |x| - \sqrt{1-x^2}$. Press MATH and select the NUM menu to access the absolute value command.
2. Press WINDOW and make the graph window from -2 to 2 for both x and y.
3. Press 2ND ZOOM and use the down and right arrow keys to turn the axes off.
4. Press GRAPH to see your heart.
5. Press 2ND PRGM and choose the 10th option to place text on your valentine.

**Happy Valentine's
Day!**