Appendix 1:  Program to Graph a Normal Dist\textsuperscript{n}

The following program can be used to graph a Normal Distribution. Just enter the code as you did with the Z-Score program.

```
PROGRAM: DRAWNORM
:ClrHome
:Disp "ENTER LOW BND"
:Input L
:Disp "ENTER HI BND"
:Input H
:Disp "ENTER MEAN"
:Input M
:Disp "ENTER STD DEV"
:Input S
:(L-M)/S → Y
:(H-M)/S → Z
:ClrHome
:–3.2 → Xmin
:3.2 → Xmax
:1 → Xscl
:–.12 → Ymin
:.45 → Ymax
:.1 → Yscl
:1 → Xres
:ClrDraw
:ShadeNorm(Y,Z)
```

Note: The symbols: Xmin, Xmax, Xscl, Ymin, Ymax, Yscl, and, Xres can all be found by pressing the VARS key, 1: Window... , and then choosing the one you need.

Note: The ShadeNorm() function can be found by pressing the following:

```
2nd  DISTR >> DRAW 1: ShadeNorm(  
```

Then fill in Y, a comma, and Z