

How to find the boundary of an area under the normal curve

1. Select the 2nd VARS key to get to the distributions menu

```
0:1/5:16 DRAW
1:normalpdf(
2:normalcdf(
3:invNorm(
4:tpdf(
5:tcdf(
6:χ²pdf(
7:χ²cdf(
```

2. Choose option number 3: invNorm(

```
invNorm(
```

3. Now enter the following in this order and including the commas:

the area to the left of the boundary in decimal form, the mean of the distribution, the standard deviation of the distribution)