

Page 540–3 Example 10

Calculating normal probabilities

TI-84 Plus

```
normalcdf
lower: -2
upper: 1
μ: 0
σ: 1
Paste
```

```
normalcdf(-2,1,0)
.8185946784
```

Enter the lower limit as a very small negative number, -1×10^{99}

```
normalcdf
lower: -1E99
upper: 1
μ: 0
σ: 1
Paste
```

```
normalcdf(-1E99,1,0)
.8413447404
```

Enter the upper limit as a very large negative number, 1×10^{99}

```
normalcdf
lower: -1.5
upper: 1E99
μ: 0
σ: 1
Paste
```

Casio fx-9860GII

Using the distribution menu on your GDC, choose normCD and enter the values in this order: lower limit, upper limit, standard deviation, mean.

```
NormCD(-2,1,1,0)
0.8185946141
```

Enter the lower limit as a very small negative number, -1×10^{99}

```
NormCD(-1E99,1,1,0)
0.8413447461
```

Enter the upper limit as a very large negative number, 1×10^{99}

```
normalcdf(-1.5,▶  
.9331927713
```

```
NormCD(-1.5,1E99,1,0)  
0.9331927987
```

□

NPd Ncd InvN

normalcdf

```
lower:-0.8  
upper:0.8  
μ:0  
σ:1  
Paste
```

```
normalcdf(-0.8,▶  
.5762893327
```

```
NormCD(-0.8,0.8,1,0)  
0.5762892028
```

□

NPd Ncd InvN