

How to Find normalcdf function

(Section 5.1 – Practice with Example 4 from Lecture Notes)

- You are given z value

Now in the calculator...

2ND – DISTR -- ↓ (Scroll down until you see normalcdf) – **ENTER**

(If you have a TI-83...)

Type in your values for **lowerbound** -- , -- , **upperbound** – **ENTER** (There should be commas between each value)

(If you have a TI 84...)

It will ask you for the “lower bound:”, you type in your **lower bound**, then **ENTER**

It will ask you for the “upper bound:”, you type in your **upper bound**, then **ENTER**

It will ask you for the “ μ :”, you leave it at **0**, then **ENTER**

It will ask you for the “ σ :”, you leave it at **1**, then **ENTER – ENTER** (on the word Paste)

ENTER (once you see it back on the main screen “normalcdf(...)” with your lower bound, upper bound, 0, 1 in that order)

Keep in mind that this gives you the area under the normal curve based on where the z lies and to which direction we are shading/looking.