To calculate mean and standard deviation using a Texas Instruments Ti 36X Pro:

1. Press the DATA key.
2. Enter data values in list one (L1).
3. Press the 2nd key, then DATA key, and scroll down to 2: 1-Var Stats and press Enter.
4. Only List one is selected, scroll down to CALC.
5. The x bar value is the mean and the Sx value is the standard deviation.

If you have a frequency list:

1. Press the DATA key.
2. Enter data values in list one (L1), move over to List 2, and enter the frequencies.
3. Press the 2nd key, then DATA key, and scroll down to 2: 1-Var Stats and press Enter.
4. Choose List 1 (preselected) and List 2 as Freq.
5. Scroll down to Calc, press enter.

Normal CDF:

1. Press 2^{nd}, Data key, move arrow over to distributions, choose **normal CDF**, and press enter.
2. Update mean (μ) and standard deviation (σ, sigma) using your actual data values. (For Z scores mean is zero and standard deviation is one: default values in the calculator).
3. Scroll down: Lower bound by default is negative infinity -E99 and upper bound is E99 or positive infinity.
   Press enter.

   There are three cases: First case: ***Less than*** *a value*, in this instance lower bound is –E99, upper bound is your value. Second case: ***greater than*** a value: Lower bound is your value, upper bound is positive infinity. And, third case: ***in between*** values: lower is the smaller value, upper is the larger value.