

How to Use the TI-86 for Chapter 5

I. Probability Distributions

To find the mean and the standard deviation for a probability distribution, remember to write down the formula.

Input the values for the random variable x into **xstat**.

Input the corresponding probabilities into **ystat**.

Calculate the mean and the standard deviation as before.

II. Binomial Distributions

A. To find a probability, you will need n , x , and p .

B. Press the following keystrokes:

Input n

Math → **PROB** → **NCR** **Enter**

Input x

× Input p ^ Input x

× Input q ^ Input $(n-x)$ **Enter**

You should now see the probability on your home screen.

Remember to write down the formula that you are using.

Remember the rounding rule.