

How to Find/Use nCr function:

(Section 4.2 – Practice with Example 4 from Lecture Notes)

- You are given Binomial Distribution (with known n, p, q, and x)

Now in the calculator...

If you want to do 7C_3 :

Type in **7** (on the main screen)

MATH -- \Rightarrow (Three times to get to PRB) – **3** (To select nCr)

You now see on the main screen: 7 nCr

Type in **3** – **ENTER**

That is your result. (You must always type in the number for n first, then find nCr, then type in the x value)

Formula for the Binomial Distributions:

$$P(x) = {}_nC_x p^x q^{n-x} = \frac{n!}{(n-x)!x!} p^x q^{n-x}$$