

We have an event that will be repeated 8 times with a probability of success of 0.3.

What is the $P(x = 5)$?

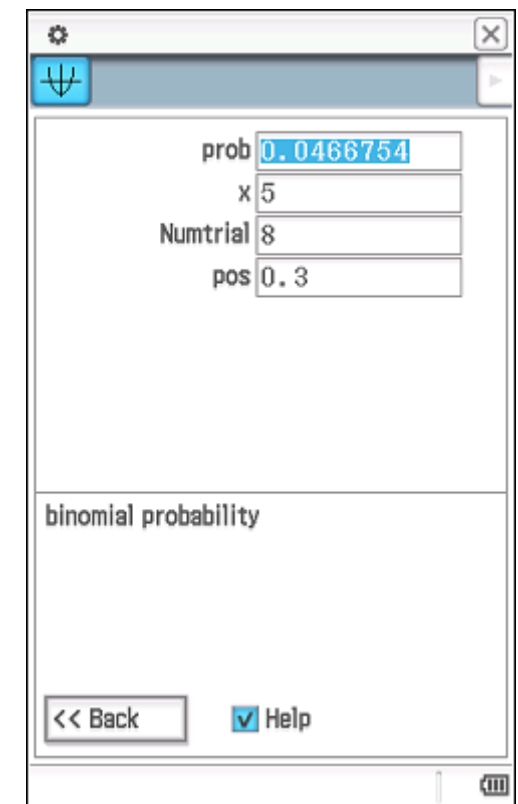
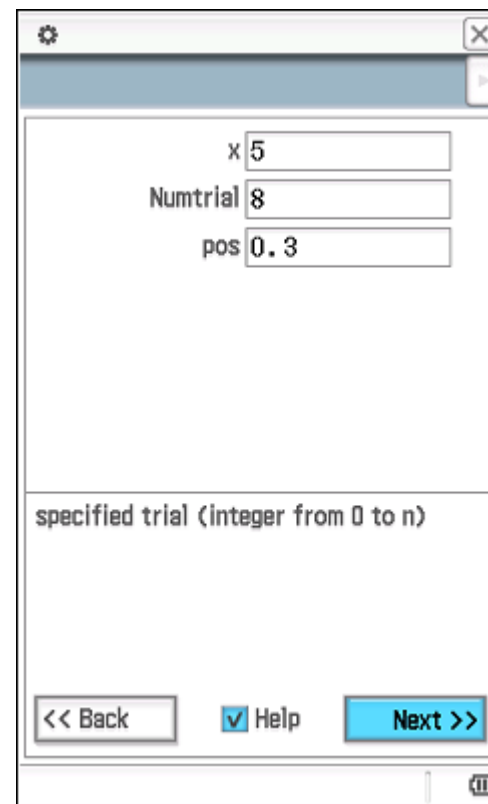
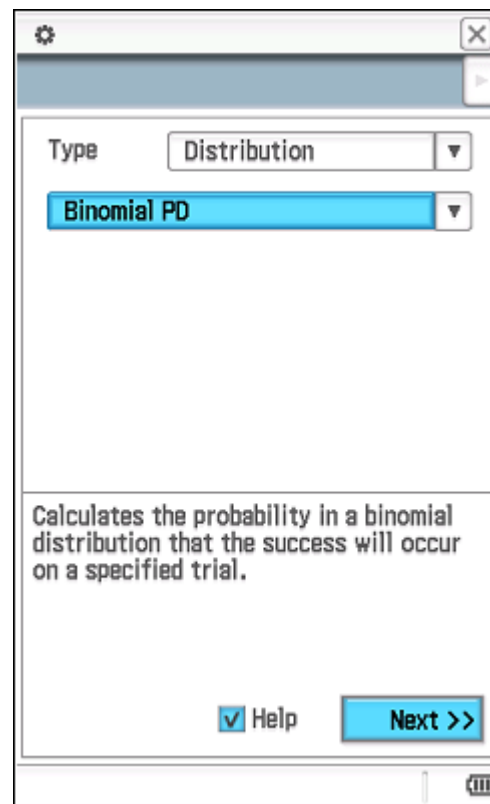
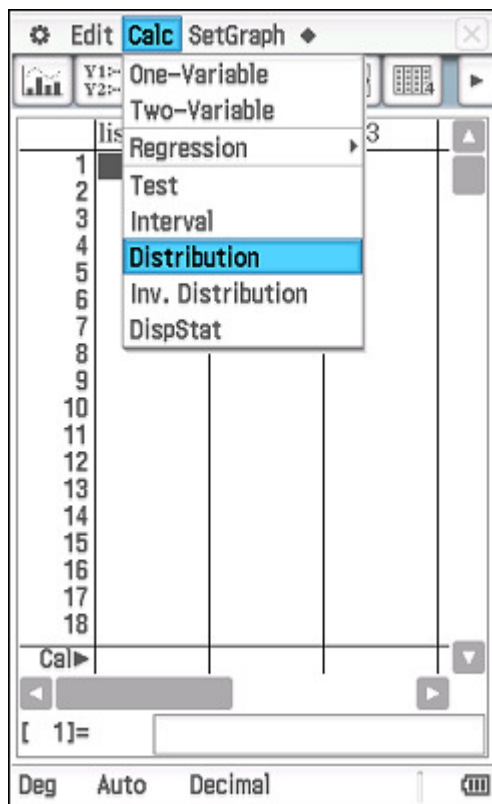
Tap Help and then select **Binomial PD** from the available distributions.



Tap **Calc, Distribution**.

Tap **Next**.

Enter the three required values as shown and then tap **Next**.

The probability of 5 successes in the 8 trials is about 0.047.




Tap  to view the distribution and tap  to use the cursor to trace across the distribution.

What is the $P(1 \leq x \leq 3)$?

Tap Back twice, switch to **Binomial CD** distribution and tap **Next**.

Enter the four required values as shown and then tap **Next**.

The probability of at least 1 and no more than 3 successes in the 8 trials is about 0.748.

Tapping  displays the cumulative probability graph.

Binomial probabilities can also be calculated in the Main. The method is explained in another help sheet. Please refer to the menu.

