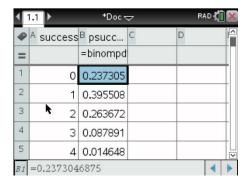# 15. Graphing a Binomial Probability Distribution

To graph a binomial distribution for n = 5 and p = 0.25, we need to enter the values of the random variable in one list and the associated probabilities in a second list.

1. Insert a *Lists & Spreadsheet* page. Press (ctrl) (I), arrow to *Add Lists & Spreadsheet* and press (enter).
    *   Name column A **success** and type the following values: 0, 1, 2, 3, 4, 5.
    *   Name column B **psuccess**.
    *   Arrow down to the formula cell of column B and press (enter) . **psuccess:=** should appear.
    *   Type **binompdf(5, 0.25, success)** and press (enter). The probabilities of 0, 1, 2, 3, 4, and 5 successes should appear in column B.

2. Make a histogram of the probability distribution using the method shown in Section 6.1 Tech Corner (page 370).