Read the sections in your text on "Using the TI-83/TI-84 Graphing Calculator," and step through the examples.

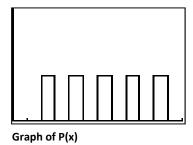
PP. 178-179: Calculating the Mean and Standard Deviation

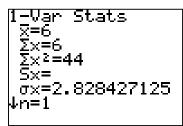
PP. 193-194: Binomial Probabilities

Example 1. Discrete Uniform Distribution

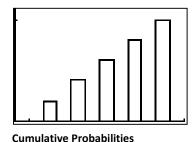
х	P(x)
2	0.2
4	0.2
6	0.2
8	0.2
10	0.2

L1	L2	L3	2
2 6 8 10	ભૂભુભુભુ <u>ન</u>		
L2(6) =			





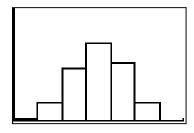
L1	L2	L3 2	
2 4 6 8 10	WWWW	25.68 1	
L2(1)=.2			



 $P(x \le 6) = \underline{\hspace{1cm}}$ $P(\bar{x} - \sigma \le x \le \bar{x} + \sigma) = \underline{\hspace{1cm}}$ $P(\bar{x} - 2\sigma \le x \le \bar{x} + 2\sigma) = \underline{\hspace{1cm}}$

Example 2. A Binomial Random Variable with Number of Trials n = 5 and Probability of a Success on a Single Trial p = 0.6.

L1	L2	L3	1
игимно	.01024 .0768 .2304 .3456 .2592 .07776	.01024 .08704 .31744 .66304 .92224	
L1(7)=			



$$P(x \le 2) = \underline{\hspace{1cm}}$$

$$P(x < 2 \text{ or } x > 4) =$$

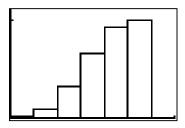
$$P(2 \le x \le 4) = \underline{\hspace{1cm}}$$

$$P(x \le 5) = \underline{\hspace{1cm}}$$

$$P(x \ge 4) =$$

$$P(x > 5) =$$

Binomial Probabilities P(x)



Cumulative Binomial Probabilities