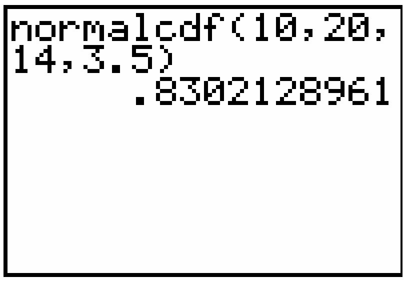
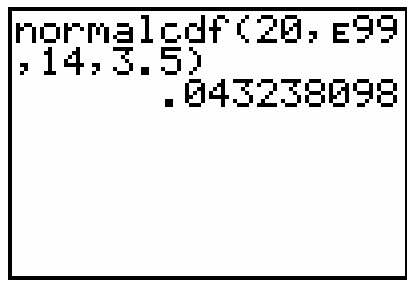
Applications to Normal Distribution with TI 83+,84

The mean number of red m&m's in a bag is 14 with a standard deviation of 3.5 m&m's.

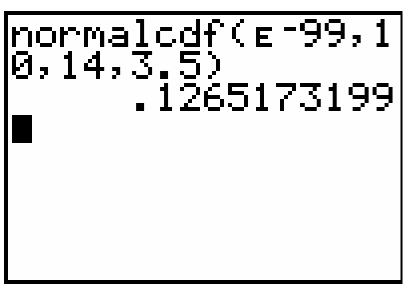
1. What is the probability that there are between 10 and 20 red m&m's?



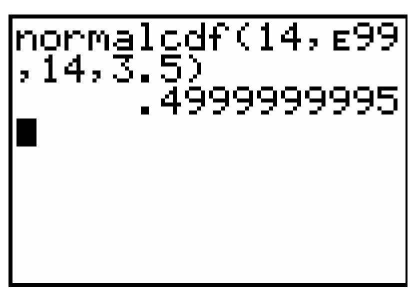
2. What is the probability that there are more than 20 red m&m's?



3. What is the probability that there are less than 10 red m&m's?

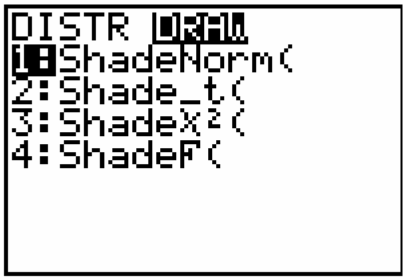


4. *What is the probability that there are more than 14 red m&m's?*



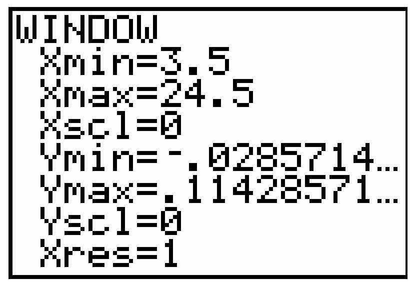
Is this right?

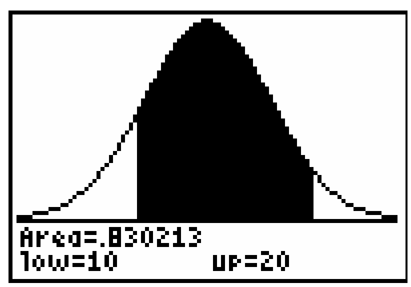
To have calculator shade:



To set up window:

X min = mean – 3* st. dev
X max = mean + 3* st. dev
Ymin = -.1/st.dev
Ymax = .4/st.dev





Don't forget to clear the drawing. 2nd DRAW, ClrDrw

Try: The mean number of minutes in a cell phone call is 15.6 with a standard deviation of 5. What is the probability that a random call lasted more than 22 min.?