

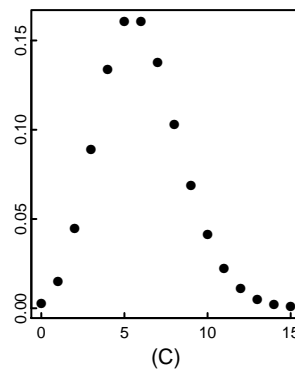
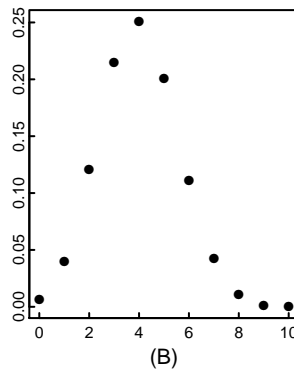
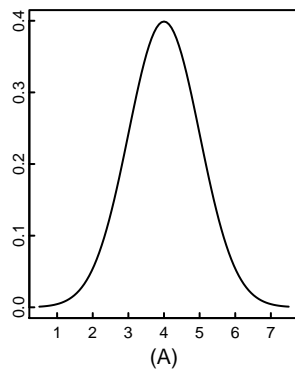
BIOS 600 · Quiz 4.1: Probability Distributions & CLT

20 September 2011

1. **Honor Pledge:** I have neither given nor received unauthorized aid on this assignment.
(Sign and print your name.)

2. Assume that systolic blood pressure for a 5-year-old boy is normally distributed with a mean of 94 mmHg and a standard deviation of 11 mmHg. What is the probability of a 5-year-old boy having a blood pressure less than 80 mmHg?

3. Match each pdf or pmf with the correct distribution. (*Hint: Look at the range.*)



Distribution	Plot (Write A, B, or C in the correct cell.)
Normal with $\mu = 4, \sigma = 1$	
Poisson with $\mu = 6$	
Binomial $n = 10, p = 0.4$	