1. What is the difference between “p” and the sample proportion $\hat{p} $ ?
2. What is the purpose of the sample proportion (“phat”) ?
3. In an SRS of size n, what is true about the sampling distribution of $\hat{p} $when the sample size n increases?
4. In an SRS of size n:
5. What is the mean of the sampling distribution of?
6. What is the standard deviation of the sampling distribution of? **What condition must be checked?**
7. What happens to the standard deviation of  as the sample size *n* increases?
8. When the sample size n is large, the sampling distribution of $\hat{p}$ is approximately Normal. What test can you use to determine if the sample is large enough to assume that the sampling distribution is approximately normal? **What condition must be checked?**
9. **CHECK YOUR UNDERSTANDING** (page 437) complete questions 1-4

1)

2)

3)

4)