## Binomial Probability

You are told that $30 \%$ of college students own an iPhone.
Suppose we take a random sample of 50 students, and find that 20 of them own an iPhone.
a) Find the probability that a random sample of 50 college students contains 20 or more iPhone owners, if $30 \%$ of college students own an iPhone.
b) Would it be an unusual event for a random sample of 50 college students to have 20 or more iPhone owners? (Recall that an unusual event occurs less than 5\% of the time.)

