9.1 HW Guide

#1: The sample proportion is right in between the upper & lower limits. The margin of error is the difference between the upper limit & the sample proportion. To find "x" multiply the sample proportion by n.

#2 & 3: Construct the confidence interval using StatCrunch. (Stat > Proportion Stats > One Sample > Summary)

#4: Use the fact that the Upper Limit = Point Estimate + Margin of Error & the Lower Limit = Point Estimate – Margin of Error. Also, be sure you completely understand the interpretation of a confidence interval.

#5 & 6: Sample size problems (Stat > Proportion Stats > One Sample > Power/Sample Size) If there is no estimate of the proportion, use 0.5 for the target proportion.

#7: This is another sample size problem in hiding. NOTE: There is an estimate of the proportion provided.