9.2 HW Guide

#1: Use StatCrunch to create the three confidence intervals (summary, not data). I'd recommend calculating the margin of error (Upper Limit – Sample Mean) for each interval, because there are questions that ask whether the margin of error is increasing or decreasing.
Part d) asks a question about the conditions that must be met in order to construct a confidence interval for the population mean.

#2: A series of conclusions are presented and you must determine if they are correct or if they are flawed. If a conclusion is flawed you must choose the correct reason for why it is flawed. Go back to your notes about interpreting confidence intervals.

#3: Choose the correct interpretation for the confidence interval.

#4: Verify the conditions, compute the interval with StatCrunch, and make an inference based on your interval.

#5: Compute the interval using StatCrunch and state the correct conclusion.

#6: Compute the point estimate (sample mean) and confidence interval using StatCrunch (data, not summary).

#7: Check conditions, compute the interval with StatCrunch, and interpret the result.

#8:
a) Find the sample mean using StatCrunch. (Stat > Summary Stats > Columns)
b) Construct the confidence interval using StatCrunch and interpret it.
c) Construct a confidence interval using the new data and interpret it.
d) Provide the reason why the two intervals are different.

#9: Find the sample size using StatCrunch. (Stat > Z-stats > One sample > Width/Sample Size)
Note that the menu selections have changed slightly from the video.

#10: Compute the necessary sample sizes using StatCrunch and interpret the results.

#11: You have to compute two intervals. When constructing the second interval you have to delete the outlier.