Math 13 Chapter 7 Overview

1) A sample of 30 men found their average height to be 70.1 inches with a standard deviation on 1.9 inches. Create the 95% confidence interval for the mean height of men from this population.
2) Out of 150 Americans interviewed, 116 claimed Christianity as their religion. Create a 98% confidence interval for the proportion of Americans that claim Christianity as their religion.
3) A sample of 56 college graduates found their mean IQ score to be 114.7. It is known that for IQ
scores $\sigma = 15$. Create the 95% confidence interval for the mean IQ for college graduates.

