For each of these questions, answer these questions with has much detail (including formulas), and managerial insight as possible. e.g. How capable is the process of achieving the customer specifications? Is the process capable of meeting the minimum specification? Not exceeding the upper tolerance? Calculate Cp, CPU, CPL, and Cpk and interpret!

3)We make gold commemorative coins. Our customer has specified one troy ounce, 31.1 grams +/- half of a gram. In making the coins, we have sampled some, and found your output has an average weight of 31 grams, with a standard deviation of .15 grams

4) We fill bags of Frito Lay chips. Our process puts an average of 9.2 ounces per bag, with a standard deviation of .1 oz. Frito Lay has requested a tolerance of 8.5 to 9.5 ounces per bag.