1. (a) (Modified from p. 539 #17) A random sample of $n_1 = 153$ people ages 16 to 19 was taken from the Island of Oahu and 12 were found to be high school dropouts. Another random sample of $n_2 = 128$ people ages 16 to 19 was taken from Streetwater County, Wyoming, and 17 were found to be high school dropouts. Do these data indicate that the population proportion of high school dropouts on Oahu is different from that of Streetwater County? Use a 5% level of significance.

(b) Repeat the test, (for practice only) if there had been 20 dropouts out of the sample of 128 people in Streetwater County.

(c) What would the result have been if the test in (b) had been completed at a 1% level of significance? (This part is for practice only as well.)