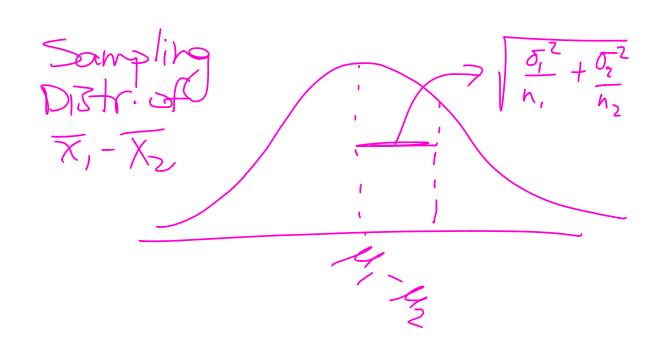
Please turn in the homework and error analysis (if you haven't already).

Two-sample t-testfor means

Spread $\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_1^2}{n_2}}$ Sample < 10% of pop.



Potato Chip.

Shape: population normally

Shape: population normally

distributed; sample

normally distributed.

center: 180-175=59

spread: stddev = \frac{25^2}{70} + \frac{30^2}{70} = 8.73g

$$P(X_{c}-X_{c}-S)$$

$$Z = 0-5 - 0.57$$

$$8.73$$

p-value = 0,28

This is not a surprising result. The potatoes from Riderwood would have a mean greater than that of Camberely about 28% of the time.

$$\frac{1}{2}$$
 4.8

 $\frac{1}{2} = \frac{1}{2} - \frac{1}{4} = -0.75$
 $\frac{1}{3.75} = -0.75$

n,-1 & n2-1