

## Attendance Quiz 23

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. (*Comparing Variation in Two Samples*) Assume that all populations are normally distributed. Use a 0.05 significance level to test the claim that weights of pre-1983 pennies and weights of post-1983 pennies have the same amount of variation.

Weights of pre-1983 pennies:  $n = 35$ ,  $\bar{x} = 3.07478g$ ,  $s = 0.03910g$

Weights of post-1983 pennies:  $n = 37$ ,  $\bar{x} = 2.49910g$ ,  $s = 0.01648g$