

## Attendance Quiz 19

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

1. (*Testing a claim about  $\sigma$* ) Assume that a simple random sample has been selected from a normally distributed population and test the given claim. Do both ways the P-valued method and traditional method.

The examples in section 8.6 involved the claim that post-1983 pennies have weights with a standard deviation less than 0.0230 g. Data Set 20 in Appendix B includes the weights of a simple random sample of pre-1983 pennies, and that sample has standard deviation of 0.03910 g. Use a 0.05 significance level to test the claim that pre-1983 pennies have weights with a standard deviation great than 0.0230 g.