

## AP Stats

### Chap 21 Handout

Name \_\_\_\_\_ Pd \_\_\_\_\_

Show all necessary work and place your answers in/on the spaces provided.

#### ***British Literacy.***

Great Britain has a great literacy tradition that spans centuries. One might assume, then, that Britons read more than citizens of other countries. Some Canadians, however, feel that a higher percentage of Canadians than Britons read. A recent Gallup poll reported that 86% of 1004 randomly sampled Canadians read at least one book in the past year, compared to 81% of 1009 randomly sampled Britons. Do these results confirm a higher reading rate in Canada?

1. Test an appropriate hypothesis and state your conclusion.
2. Find a 99% confidence interval for the difference in the proportion of Britons and Canadians who read at least one book in the last year. Interpret your results in context.