We ask whether a private school leads to higher or lower performance on a test of social skills. A sample of 100 students from a private school produces a mean of 71.30 on the test, and the national mean for students from public schools is 75.62 (σ x= 28.0).

1. Should we use a one-tailed or a two-tailed test? Why?
2. What are H0 and Ha?
3. Compute z obt
4. With α=.05 what is z crit?
5. What should we conclude about this relationship?