**ECO 173 Applied Statistics**

**Type II Error**

At a particular university, the historical mean entrance exam score for students has been 900, with a standard deviation of 180. The school is interested in whether this year’s incoming students are at the same level are previous years’ students. A random sample of 200 students attains an average score of 922.

1. Conduct a test at significance level 10% to determine whether there is evidence that this years’ students score differently on average from the historical mean.
2. Compute Type II Error if $μ=910$.