

## AP Stats

### Chap 24 Handout

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

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

#### *AP Stats Anxiety.*

Before you started this course, you probably heard many stories about Statistics courses. Oftentimes parents of students have had bad experiences with Stats courses and pass on their anxieties to their children. To test whether actually taking AP Stats decreases students' anxieties about the course, an AP Stats instructor gave a test to rate student anxiety at the beginning and end of his course. Anxiety levels were measured on a scale of 0-10. Here are the data for 16 randomly selected students from a group of 180 students.

<b>Pre-Course Anxiety Level</b>	7	6	9	5	6	7	5	7	6	4	3	2	1	3	4	2
<b>Post-Course Anxiety Level</b>	4	3	7	3	4	5	4	6	5	3	2	2	1	3	4	3

Do the data indicate that anxiety levels about Statistics decrease after students take AP Stats? Test an appropriate hypothesis and state your conclusion.