В.	Use this p-value to accept or reject the null
	hypothesis. Does your answer agree with
	the page 86 answer?

C. What does this p-value indicate is the strength or validity of the decision made concerning the null hypothesis?

- III. Past experience indicates that the population mean weight of material containers used to make computer parts is 5,000 kilograms. The standard deviation is 28 kilograms. Type I error for a sample of 49 will be controlled to the .01 level of significance. The 99% confidence interval is 4,989.68 kilograms to 5,010.32 kilograms.
 - A. Calculate the type II error for a two-tail problem using each of these possible population means.

$$\mu = 4,985 \text{ kg}$$

$$\mu = 4,995 \text{ kg}$$

$$\mu = 5,000 \text{ kg}$$

$$\mu = 5,005 \text{ kg}$$

$$\mu = 5,015 \text{ kg}$$

- B. Using the data calculated in problem A, sketch and label an operating characteristic curve.
- C. Using the data calculated in problem A, sketch and label a power curve.

Note: An operating characteristic curve and power curve for a one-tail problem is limited to one side of the population mean. Both look like half a normal curve stopping at the mean.