Section A: Match each of the four terms to the left with the corresponding probability statement

	a) $P(\text{retain H}_0 \mid \text{false H}_0)$
1. α	b) $P(\text{reject H}_0 \mid \text{false H}_0)$
2. β	c) $P(\text{reject H}_0 \text{true H}_0)$
3. Power	d) $P(\text{retain H}_0 \text{true H}_0)$
4. p-value	e) $P(H_0 \text{ is true } \text{ the data we observed})$

f) $P(\text{observing something more extreme} | H_0 \text{ is true})$

Section B: Fill-in the blanks with either INCREASE or DECREASE

1. As we increase sample size, the width of our confidence interval would ______

- 2. As we decrease our level of confidence, the width of our interval would ______
- Section C: The following distributions show $H_0: \mu = 0$ and $H_A: \mu > 0$. The line represents the critical value. On the distributions, shade and label α , β , and Power.

