

# BIOS 600 · Practice Quiz for Sample Size Calculations

Fall 2011

1. Consider example 8.14 in the text. How does the answer change if the researcher wants to perform a two-sided test?
2. Consider example 8.15 in the text. How does the answer change if the phrase "... he wishes to risk a 10 percent chance of failing ... " is replaced by "... he wishes to risk a 15 percent chance of failing ..."?
3. Consider example 8.16 in the text. How does the answer change if the researcher wants to perform a two-sided test and wants a type II error of 15 percent?

## Solutions

1.  $n = 66$
2.  $n = 776$
3.  $n = 36$