

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

**Answer the question.**

- 1) In a recent published poll of 200 students at a midwestern university, 150, or 75%, said they would try to purchase used textbooks before buying new textbooks. The report stated that somewhere between 70% and 80% of the students at the university would first try to purchase used books. What is the margin of error? 1) \_\_\_\_\_
- A) 10%                                      B) 25%                                      C) 5%                                      D) 75%
- 2) If 68% of the persons in a 100-person sample say that they approve of the actions of the city council with a margin of error of 5%, one can conclude that the number of persons in a population of 2500 that approve of council policies is 2) \_\_\_\_\_
- A) 1700.                                      B) 250.  
 C) probably in the interval 1575 to 1825.                                      D) probably in the interval 1600 to 1800.
- 3) Following the Republican National Convention, a poll of 700 voters in a Central Illinois community showed that 64% expected the Republican ticket to win over the Democrat ticket no matter whom the Democrats chose for vice-president. The margin of error was 5 percentage points. There are 21,000 registered voters in the community. What is the range likely to contain the population parameter? 3) \_\_\_\_\_
- A) 59% to 69%                                      B) 20,300 to 21,700  
 C) 413 to 483                                      D) 12,390 to 14,490
- 4) Following the Republican National Convention, a poll of 500 voters in a Central Illinois community showed that 69% expected the Republican ticket to win over the Democrat ticket no matter whom the Democrats chose for vice-president. The margin of error was 4 percentage points. There are 20,000 registered voters in the community. What is the range likely to contain the number of voters who expected the Republican ticket to win? 4) \_\_\_\_\_
- A) 13,000 to 14,600                                      B) 19,655 to 20,345  
 C) 325 to 365                                      D) 65% to 73%

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

- 5) 46% of Americans favor candidate A and 43% of Americans favor candidate B. Statistically tied. Statistically even when you factor the margin of error. 5) \_\_\_\_\_

## Answer Key

Testname: INTRO-CONF-INT

- 1) C
- 2) C
- 3) A
- 4) A
- 5)