

8.3–8.4 Quiz

Multiple-Choice Quiz You take a 10-question multiple-choice quiz. Each question has four choices. In Exercises 1–7, suppose you guess when answering the questions.

- Suppose you gain 1 point when you answer a question correctly and 0 points when you answer a question incorrectly. What is the expected value of the quiz?
- Suppose you gain 1 point when you answer a question correctly and lose $\frac{1}{4}$ point when you answer a question incorrectly. What is the expected value of the quiz?
- What is the probability that you answer every question incorrectly?
- What is the probability that you answer every question correctly?
- What is the probability that you answer only the first question correctly?
- What is the probability that you answer only the first five questions correctly?
- What is the probability that you answer at least one question correctly?

Name _____ Date _____

- Who was the first president of the United States?
 (A) George Washington (B) Thomas Jefferson (C) John Adams (D) Gerald Ford
- Who wrote the *Declaration of Independence*?
 (A) Thomas Jefferson (B) Benjamin Franklin (C) Samuel Adams (D) John Hancock
- Who wrote the *The Wealth of Nations*?
 (A) John Maynard Keynes (B) Adam Smith (C) Thomas Paine (D) Thomas Johnson
- Who was the president of the Confederate States?
 (A) Robert E. Lee (B) Jefferson Davis (C) John C. Calhoun (D) Edwin Stanton
- Who was Thomas Jefferson's first vice president?
 (A) George Clinton (B) Aaron Burr (C) James Madison (D) Spiro Agnew
- In what year did Alaska officially become a state?
 (A) 1859 (B) 1911 (C) 1945 (D) 1959
- Which president was never married?
 (A) Grover Cleveland (B) Andrew Jackson (C) James Buchanan (D) Ulysses S. Grant
- Which president was called "the Great Communicator"?
 (A) Franklin Roosevelt (B) John Kennedy (C) Jimmy Carter (D) Ronald Reagan
- Which president's foreign policy was to "speak softly and carry a big stick"?
 (A) William McKinley (B) Theodore Roosevelt (C) William Taft (D) James Polk
- Which president's 1972 visit to China helped improve the relationship between the U.S. and China?
 (A) Lyndon Johnson (B) Harry Truman (C) Richard Nixon (D) Dwight Eisenhower

