

Flight Training  
Pre-Solo Written Test, Form: 

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Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
CFI: \_\_\_\_\_

Section 1. Multiple Choice

1. What is the purpose of the Federal Aviation Regulations (FARs)?
  - (a) To regulate air traffic control operations
  - (b) To govern the use of airspace
  - (c) To establish rules and regulations for pilot and aircraft operations
  - (d) To set standards for aircraft maintenance and repair
2. What is the relationship between lift and weight during cruise flight?
  - (a) Lift is greater than weight, causing the aircraft to climb
  - (b) Weight is greater than lift, causing the aircraft to descend
  - (c) Lift and weight are equal, causing the aircraft to maintain altitude
  - (d) Lift has no effect on weight in flight
3. What is the purpose of an aircraft's fuel system?
  - (a) To generate electricity to power the aircraft's systems
  - (b) To provide hydraulic pressure to operate the aircraft's flight controls
  - (c) To store and supply fuel to the engine for combustion
  - (d) To regulate the temperature inside the aircraft cabin
4. What is a weather front?
  - (a) A boundary between two different types of air masses
  - (b) A line that connects points of equal atmospheric pressure
  - (c) A rotating column of air extending from a thunderstorm to the ground
  - (d) A cloud formation that resembles a horizontal cylinder
5. What is a VOR?
  - (a) A device used for measuring airspeed
  - (b) A navigation aid that provides information on the aircraft's altitude
  - (c) A system used for communicating with air traffic control
  - (d) A navigation aid that provides information on the aircraft's direction
6. What is the meaning of the acronym "ELT" in aviation?
  - (a) Emergency Landing Technique
  - (b) Electronic Light Transmission
  - (c) Emergency Locator Transmitter
  - (d) Electronic Load Test

7. What is the function of the ailerons?
  - (a) To control pitch
  - (b) To control yaw
  - (c) To control roll
  - (d) To control engine power
8. What is the purpose of the flight control surface known as the elevator?
  - (a) To control roll
  - (b) To control yaw
  - (c) To control pitch
  - (d) To control engine power
9. What is the difference between true airspeed and indicated airspeed?
  - (a) True airspeed is measured without errors, indicated airspeed includes errors
  - (b) Indicated airspeed is measured by the airspeed indicator, true airspeed is corrected for altitude and temperature
  - (c) True airspeed is measured in kilometers per hour, indicated airspeed is measured in knots
  - (d) Indicated airspeed is the maximum airspeed of the aircraft, true airspeed is the cruising airspeed
10. What is the purpose of the pitot-static system?
  - (a) To control the fuel mixture in the engine
  - (b) To measure airspeed and altitude
  - (c) To maintain proper tire pressure
  - (d) To reduce drag on the airplane

# Answer Key for Exam | | |---| | A | |---|

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