CESSNA 172R Checkout Sheet

Name _____
Date _____
CFI _____

1. **List the following speeds:**
   - V_X _____
   - V_Y _____
   - V_A _____
   - V_{FE} _____
   - V_{S0} _____
   - V_S _____
   - V_{NE} _____
   - Best Glide _____
   - Normal Approach _____
   - Short Field Approach _____
   - Maximum Demonstrated Crosswind _____
   - Stall speed on the Landing Configuration at gross weight in a 30º bank _____
   - How far can you glide at 5,000 feet AGL? _____

2. **Weight and Balance Information:**
   - Basic Empty Weight _____
   - Maximum Takeoff Weight _____
   - Useful Load _____
   - Maximum Landing Weight _____

3. **Weight and Balance Problem** (Empty Weight = 1,667 lbs.; CG = 39.33")
   You and two 170-lb. passengers, 35 gal. fuel.
   - Is the weight within limits? _____
   - How much baggage can you carry? _____
   - Is the CG within limits, where is the CG? _____

4. **What are the recommended takeoff procedures for this aircraft?**
   Normal:

   Crosswind:

   Short Field:

   Soft Field:

5. **What are the recommended landing procedures for this aircraft?**
   Normal:

   Crosswind:

   Short Field:

   Soft Field:

6. **Performance Calculations:**

   Given: Maximum Gross Weight
   5,000 ft. pressure altitude
   90ºF
   5 kt. Headwind

   Find: Takeoff Roll _____
   Takeoff Distance to clear a 50 ft. obstacle _____
   Landing Roll _____
   Landing Distance to clear a 50 ft. obstacle _____

7. **Fuel and Oil:**

   What is the fuel capacity for this aircraft? Total: _____ gal.
   Total Useable: _____ gal.
   Total Useable to bottom of tabs: _____ gal.
   What is the minimum octane fuel this aircraft can use? _____
   What is the fuel burn per hour, TAS, and RPM at 2200, 75% power and standard temperature?
   _____ , _____ , _____
   How long can you fly with full tanks and land with VFR night reserve under these conditions?
   _____
   Where are the fuel drains located?

   _____

   When is fuel taken from the drains?

   _____

   What is the recommended grade and type of oil?

   _____

   What is the minimum operating oil level?

   _____

8. **General Questions:**

   What effect does a lower aircraft weight have on maneuvering speed?

   _____

   _____

   What is the recommended go-around procedure?

   _____

   What is the indication of an alternator failure?

   _____

Where is the alternate static source located?

_____

What changes in the aircraft instruments would you see when using the alternate static source?

_____

_____

What should you do if a door opens during flight?

_____

What actions should be performed if an engine loss occurs during takeoff?

_____

_____

What is the recommended procedure if you must land in a tailwind?

_____

_____

What documents must be carried aboard the aircraft?

_____

_____

_____

_____

What inspections and checks must be logged in the aircraft logbooks to show that the aircraft is currently airworthy?

_____

_____

_____

_____

Who is responsible for determining that the aircraft is airworthy before flight?

_____

What documents must the pilot carry with him/her?

_____

_____

_____

9. **Emergencies – Oral Review with Chief CFI**
   Engine failure on takeoff
   Engine failure at altitude
   Electrical failure
   Fire
   Tire burst
   Stuck throttle
   PIO and Balloon
   Inadvertent spin recovery
   Inadvertent IMC
   Local weather understanding
   Local airspace understanding

Completed Date _____
CFI _____
Chief Flight Instructor _____