

Pilot Name (Please Print)

Date Completed

Aircraft N #	N943KS
Serial #	
Manuf Year	1978
Model #	C172N

GROUND REVIEW

- ☐ Certificates and Documents (Registration / Airworthiness)
- ☐ Pilot Operating Handbook + Supplemental Operating Manuals
- ☐ STC Review
 - ☐ Electronic Ignition
 - ☐ Extended Range Fuel System
 - ☐ 180 HP Engine Upgrade
 - ☐ Vortex Generators
- ☐ Controls
 - ☐ Primary (Yoke / Rudder)
 - ☐ Secondary (Trim, Flaps)
- ☐ Avionics & Radios
 - ☐ Bendix KNS 80 Nav / Autopilot (incl. Autopilot On/Off Switch)
 - ☐ Garmin 430
 - ☐ Audio Panel
 - ☐ ** Note INOP Equipment (Placarded)
- ☐ Powerplant
 - ☐ Proper Oil Usage / Levels (Club policies + POH / MFR)
 - ☐ Priming
 - ☐ Leaning Procedures
- ☐ Fuel System
 - ☐ Detailed explanation of auxiliary fuel system design / limitations
 - ☐ Example of how fuel is transferred, including limits and risks
 - ☐ Club policy on using auxiliary fuel tanks / expectation to return aux tanks empty
- ☐ Electronic Ignition
 - ☐ Function of Electronic Ignition vs Standard Ignition (R/L)
 - ☐ Pre-departure run-up / mag checks
 - ☐ Using the Electronic Tachometer
- ☐ Key Performance Numbers (Vx / Vy / Landing and Takeoff Performance Calculations)

FLIGHT CHECKOUT

- ☐ Preflight Inspection
 - ☐ Weight & Balance and Documents
 - ☐ Checklist Usage (Club provided, POH / MFR)
 - ☐ Special Care for Vortex Generators
 - ☐ Auxiliary Fuel Cap Access (1/4 turn, springloaded - handle with care)
- ☐ Fueling Procedures
 - ☐ 1/4 Turn Aux tanks access caps
 - ☐ Club Policy: do not use aux fuel tanks if there will not be an opportunity to use the fuel in those tanks during the flight; prefer the the aux tanks are at or near empty when returned
- ☐ Engine Start Procedures
- ☐ Taxi Procedures
- ☐ Before Takeoff Checklist
- ☐ Takeoff and Landing Operations

☐ Normal Takeoff	☐ Normal Approach and Landing
☐ Short Field Takeoff	☐ Short Field Approach and Landing
☐ Soft Field Takeoff	☐ Soft Field Approach and Landing
☐ Crosswind Takeoff	☐ Crosswind Approach and Landing
☐ Vx climb (should be consistent with Short Field operations / demonstration)	
☐ Vy climb (note speeds and engine RPM / cooling, etc.)	
- ☐ Go-around procedure
- ☐ Fuel mixture / leaning procedures
- ☐ Fuel Transfer Procedure (incl. Timing / Monitoring the transfer to mitigate pump overheating / failure)
- ☐ Maneuvers and Steep Turns (Emphasis: no steep turns or maneuvers with fuel in Aux tanks!)
- ☐ Minimum Controllable Airspeed maneuvers (Straight and level, gentle turns)
- ☐ Stalls in appropriate configurations
 - ☐ Power off
 - ☐ Power On
 - ☐ **DISCUSS // DO NOT DEMONSTRATE SPINS (PAVE)**
- ☐ Emergency Procedures (POH Review / Demonstrate)
- ☐ Descent planning (including shock cooling avoidance)
- ☐ Carburetor Ice / Carburetor heat usage

Approved by CFI (Name / Certificate #)

CFI Review / Approval Date