



Standard Aircraft Checkout

Aircraft Make and Model _____
Engine Make and Model _____
Rated Horsepower _____ BHP at _____ RPM
Propeller Type _____
Maximum Gross Weight _____ LB. Maximum Weight in Baggage _____ LB.
Basic Empty Weight for N _____ is _____ LB.
Useful Load for N _____ is _____ LB.

Speeds

Vne _____ KIAS Vfe _____ KIAS Vr _____ KIAS
Vno _____ KIAS Vy _____ KIAS Vso _____ KIAS
Va _____ KIAS at _____ LB. Vx _____ KIAS Vsl _____ KIAS
Enroute Climb Speed _____ KIAS
Final Approach Speed with Flaps Down _____ KIAS
Final Approach Speed with Flaps up _____ KIAS
Demonstrated Crosswind Component _____ KIAS
Best Glide Speed _____ KIAS

Fuel/Oil System

Number of Fuel Tanks _____
Total Capacity of each Tank _____
Total Usable Fuel _____ Gallons
Where are the fuel drains located? _____
Fuel Grade and color _____
Oil Capacity _____ Qt.
Minimum Oil Quantity for Flight _____ Qt.
Oil Type Used? _____ Wt. Oil used _____

Electrical System

_____ Volt Battery _____ Volt Alternator
If the ammeter is indicating a Discharge, what might this be indicative of?
1. _____ or
2. _____
Where is the battery Located _____
Where is the External Power Receptacle Located _____

Power Setting and Engine Care

1. What is Climb Power Setting? _____ RPM.
2. What is Cruise Power Setting? _____ RPM.

Aircraft Performance

1. Complete the following Weight and Balance

Basic Empty Weight	_____ LB.	Moment	_____
Usable Fuel	_____ LB.	Moment	_____
Pilot and Front Passenger	_____ LB.	Moment	_____
Rear Passengers	_____ LB.	Moment	_____
Baggage	_____ LB.	Moment	_____

Total Weight _____ LB. divide by Total Moment _____ = _____ CG

2. Takeoff

Calculate the ground roll and total to clear a 50 foot obstacle takeoff distances at maximum gross weight, departing from a field elevation of 2500 feet. ATIS reports wind calm and temperature 75 degrees F.

3. Enroute:

Calculate the maximum endurance and fuel flow per hour at 7500 feet cruise altitude, using a cruise power setting of 2400 RPM.

What percentage BHP and TAS can you expect at 2300 RPM?

4. Landing:

Calculate the ground roll and total to clear a 50 foot obstacle landing distance at maximum gross weight, sea level field elevation, standard temperature, wind calm.

What is the recommended short field approach speed and configuration?

What are the recommended soft field takeoff and landing configurations and procedures?

Describe the go around procedure: _____

Pilots Name _____

Date _____

Instructor _____



Standard Aircraft Checkout

Name _____
 Date Last Biennial _____ or Date Last Annual _____
 Date Last Medical _____ Class _____ Pilot Cert.# _____
 Hours PIC _____ Hours last 6 months _____ Pilot Ratings _____
 Aircraft Check Out (Date) _____ Type A/C _____ N _____

Phase I: Oral Operational Quiz Check if satisfactory

- Recent changes in FAR's _____
- Airspace, controlled and uncontrolled _____
- Airplane and equipment documents _____
- Airplane performance and proper operation of all installed equipment _____
- Airplane loading, weight and balance _____
- Preflight line check _____
- STOL Equipment _____
- High Altitude operations (density altitude) _____
- Speed brakes, long range tanks, etc. _____

Phase II: Basic Piloting Technique

- Normal and crosswind takeoffs and landings _____
- Short field takeoff and landing over 50' obstacle _____
- Soft field takeoff and landing _____
- Flight at minimum controllable airspeeds _____
- Stalls from all normally anticipated flight attitudes _____
- Go-arounds _____
- 720° steep turns (45° bank minimum) _____
- Slips to a landing _____
- In-flight emergency procedures _____
- Simulated equipment failures _____
- Radio communication and navigation _____
- STOL Operations _____
- High Density Altitude Operations _____
- Other (specify) _____

Phase III: Instrument Flight

- Straight and level, shallow climbing and descending turns to given altitude heading _____
- Approaches (# _____, type _____), for IFR pilots _____
- Recovery from start of power-on spiral _____
- Recovery from the approach to a climbing stall _____
- High Altitude flight operations _____
- Emergency descents _____
- Other (specify) _____

Comments _____

Instructor Name _____ Signature _____

CFI No. _____ Expiration Date _____

Signature of pilot _____ Date _____