

Date _____

CP AVIATION

AIRCRAFT GROUND REVIEW

[ALL AIRCRAFT DOCUMENTS MAY BE USED FOR THIS REVIEW]

Use this form as an aid in reviewing FAR Part, fundamental specifications, systems, and procedures for aircraft to be flown. All questions may not be applicable to all aircraft. Utilize aircraft document, placard and markings.

PILOT _____ A/C MAKE/MODEL _____

1. Sect. 1. Total fuel capacity: _____ No. of tanks: _____

Total usable: _____ Fuel grade: _____ Color: _____

2. Sect. 7. Fuel drain location: _____

When are they drained: _____

3. Sect. 1. Recommended grade of oil: _____

Sect. 7. Minimum operating oil level: _____ Normal operating oil level: _____

4. Sects. 2 & 5. List the following speeds:

V_{so} _____ V_x _____ V_{fe} _____ V_{lo} _____ V_{mc} _____

V_{so(60°AOB)} _____ V_y _____ V_{no} _____ V_{le} _____ V_{yse} _____

V_s _____ V_a _____ V_{ne} _____ V_{ref} _____ V_{xse} _____

5. Sect. 2. What is the purpose of flaps: _____

6. Sect. 3. What is best glide speed: _____

7. Sects. 3 & 7. What are the "Unsafe Gear" indications: _____

8. Sect. 3 How do you detect carburetor or induction ice:(As appropriate) _____

In the event of ice, what do you do: _____

9. Sects. 3 & 7. What is the indication of an alternator malfunction: _____

Action to restore electrical function: _____

19. Basic VFR weather minimums for flight in Class D airspace:

Ceiling: _____ Visibility: _____

20. To enter a Class D airspace, an airplane must have: _____

Class C: _____

21. VFR cruising altitudes are required above what minimum altitude: _____

22. What inspections are required on Leased/For Hire aircraft: _____

For Instrument flight in Controlled Airspace: _____

23. Describe the manual mixture leaning procedure: _____

24. RANGE

DESTINATION – Apple Valley (APV)

PA = 7,500 FT TAS = _____ KTS FUEL STOPS _____

TEMP = +15° GPH = _____ FUEL REQUIRED _____

WIND = 090°/20 KTS DAY VFR RESERVE _____ FUEL REMAINING _____

25. Work this sample weight and balance problem: Carry max. passengers at 170 lbs. ea., max. baggage, then fuel to max. takeoff weight.



WEIGHT & BALANCE WORKSHEET

Aircraft N#: _____ Pilot Name: _____

Max Gross Weight: _____ CFI Name: _____

	Weight	Arm	Moment
Basic Empty Weight:			
Front Passengers:			
Rear Passengers:			
Front Baggage:			
Rear Baggage:			
Total Usable: 6 lb. per gal.			

Total Weight:	
Total Moment:	

Total Moment/Total Weight = _____ CG Limit

Fwd CG Limit: _____

Aft CG Limit: _____

Useful Load: _____

Corrected and approved by _____ CFI