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 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:
   Vso _____ Vx _____ Vfe _____ Vlo_ _____ Vmc _____
   Vso(60°AOB)_____ Vy _____ Vno _____ Vle _____ Vyse _____
   Vs _____ Va _____ Vne _____ Vref_____ Vxse _____
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: _____
10. Sects. 5 & 7. Location of alternate static source: _____
    Effect of alternate static source on instruments: _____
11. Sect. 4. Approach airspeed with flaps: _____ Without flaps: _____
    Short field approach airspeed: _____
12. Sect. 4. Maximum crosswind component: _____(Demonstrated or 20% Vso)
13. Sect. 4. Go around procedure: _____
    _____
14. Sect. 5. What is the power setting, fuel consumption and TAS for the following:
    65% power, 8,000 ft., standard temperature

Manifold pressure _____ RPM _____

Fuel consumption _____ TAS _____

75% power, 7,500 feet, standard temperature

Manifold pressure _____ RPM _____

Fuel consumption _____ TAS _____

15. Sect. 5. Short field take off, maximum gross weight, 0 KTS wind for,

Sea level 15°C		5,000 ft, 40°C
_____	feet roll	_____
_____	50 ft obstacle	_____

16. Sect. 1, 2, & 6. Empty weight:_____ Useful load:_____

Maximum takeoff weight:_____ Landing weight:_____

Center of gravity range (max weight):_____

17. **On a separate sheet of paper,** work sample weight and balance problem, carry max. passengers at 170 lbs. ea., max. baggage, then fuel to max. takeoff weight.
18. When are passengers required to have their seatbelts fastened: _____

_____

19. What aircraft documents are required on board during flight: 1)_____

2)_____ 3)_____ 4)_____

5)_____ 6)_____

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

Ceiling:_____ Visibility:_____

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

Class C:_____

22. VFR cruising altitudes are required above what minimum altitude:_____
23. What inspections are required on Leased/For Hire aircraft:_____

For Instrument flight in Controlled Airspace:_____

24. Describe the manual mixture leaning procedure: _____

_____

25. 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_____

Corrected and approved by _____CFI