

Name: _____

Date: _____

Insurance requirements: Two hours make & model, and minimum one hour dual with LEA Instructor. If customer is switching back and forth between C-172's they must receive additional training for operation of both a carburetor and fuel injection engine and must demonstrate ground and flight proficiency satisfactorily to the instructor in each aircraft

Aircraft Make and Model: **Cessna 172**

Prior to rental of any Leading Edge Aviation aircraft the following items must be accomplished.

1. Memorization of all bold print items in the emergency section of the POH-----
2. Memorize all V-Speeds appropriate to the intended rental aircraft-----
3. Complete the POH open book review -----
4. Complete the Leading Edge Aviation Weight and Balance form-----
5. Avionics and Auto Pilot review with a Leading Edge Aviation Instructor -----
6. Complete the flight section of the aircraft checkout with a Leading Edge Aviation Instructor to the completion standards set forth by Leading Edge Aviation -----
7. Complete all new account paperwork and insurance requirements -----

I certify that the Leading Edge Aviation Ground Review has been corrected to 100%, any deficient items have been discussed, and the customer has demonstrated satisfactory knowledge in all areas.

Instructor Signature _____

Date _____

Memorization Items:

1. What are the following V-Speeds? _____ Vso, _____ Vs, _____ Vr, _____ Vx, _____ Vy, _____ Vfe, _____ Va max weight, _____ Va min weight, _____ Vne, _____ Vno, _____ Vbg,
2. Please use the last page of the packet to fill out the emergency procedures memory items.

Local Airport Information:

1. What are the airport frequencies?
 Clearance _____ Ground _____ Tower _____
 Approach _____ ATIS _____ ASOS _____
 CTAF _____ Unicom _____
2. What runways are available for use? _____
3. What are the runway length(s)? _____
4. What are the traffic patterns for each runway? _____

5. What is the calm wind runway? _____

Open book questions:

1. Total fuel capacity _____ gals. Unusable fuel _____ gals. Approximate fuel burn @ 75% power, 8000ft., and standard temperature _____.
2. Engine information: Make _____, Model _____, Horsepower _____.
3. Oil quantity: Minimum _____, Maximum _____, Grade (all temps) _____.
4. Is this airplane approved for intentional spins? _____. If so what category? _____.
5. At 10,000ft full fuel, 65% power what is the endurance with a 45 minute reserve? _____ in hours, in _____ miles.
6. What is the maximum demonstrated crosswind velocity? _____
7. What are the approved fuels? _____
8. What is the baggage area weight limit? _____
9. Where is the fire extinguisher located? _____
10. Is the engine carbureted or fuel injected? _____
11. What is the maximum rpm for this engine? _____
12. What is the normal flap setting for takeoff? _____
13. Is this aircraft equipped with an alternate air source for the engine? If so how is it operated? _____

14. Do you richen the mixture, lean the mixture, or leave the mixture alone during the extended use of carburetor heat? _____
15. When would you use carb heat? _____

16. How many fuel drain valves are there and where are they located? _____

17. What should be accomplished if there are signs of fuel contamination? _____

18. What is the charging system voltage? _____
19. How many batteries are there? _____
20. What is the battery voltage? _____
21. Where is the external power receptacle located? _____
22. If using external power for engine start, what must first be verified before connecting power? _____

23. What are the recommended starter duty cycle times? _____
24. What are the load limits for this airplane? _____
25. Can slips with full flaps be made in this airplane? _____
26. What is the full throttle static RPM indication? _____
27. What is the normal flap setting for take off? _____
28. What is the balked landing procedure? _____

29. What is the minimum oil temperature prior to take off? _____
30. What is the maximum demonstrated cross wind velocity for this aircraft? _____
31. What is the procedure if the ammeter does not show a positive charge after an external power assisted start? _____
32. What would indicate a failure of the engine driven fuel pump? _____

33. Is the aircraft equipped with cowl flaps? _____
34. Explain the correct use of cowl flaps if applicable. _____

35. Does this aircraft have a controllable pitch propeller? _____
36. What are the rpm and manifold pressure limitations? _____

37. When should the electric fuel pump be used? _____
