

SOLBERG AVIATION PRESOLO WRITTEN TEST

FAR 61.87(b)

NAME: _____

_____ FLIGHT INSTRUCTOR

DATE: _____

_____ CONFIRM FAR 61.87(d)

AIRCRAFT: _____

_____ LOGBOOK ENDORSED

1. What is the total fuel capacity? _____ (standard tanks)
2. How many fuel tanks are there? _____ Capacity each tank is _____.
3. What is the correct fuel grade _____ and the color _____?
4. What is the total useable fuel capacity? _____ gal.
5. Where are the fuel drains located? _____
6. When are they drained? _____
7. What is the recommended grade of oil? _____
8. What is the maximum and minimum oil level? _____ max., _____ min.
9. What is the aircraft empty weight? _____.
10. What is the maximum useful load? _____.
11. What is the aircraft payload? _____.
12. What is the aircraft landing weight? _____.
13. What is the maximum ramp weight? _____.
14. The center of gravity range is _____ to _____ inches.
15. Use maximum fuel and work a sample weight and balance.
(Weight and balance forms are in the student bin)
16. Recommended short field approach speed is _____ KT, flaps _____.
17. The recommended normal approach airspeed is _____ KT.
18. The best rate/angle of climb speed is V_y _____ KT, V_x _____ KT.
19. Maneuvering speed is _____ KT (V_a).
20. What is the maximum speed for flap extension? _____ KT (V_{fe}).
21. Stall speed is _____ KT (landing configuration V_{so}).
22. The stall speed in a 60° bank is _____ KT (landing configuration V_{so})
23. What is the maximum demonstrated crosswind velocity? _____
24. The purpose(s) of flaps is/are _____

25. The maximum glide speed is _____ KT
26. Describe what you would do if you were flying and noticed oil pressure was low.

27. How is carburetor ice detected? _____.

28. How is carburetor ice eliminated? _____.
29. What would be the indication of alternator or generator failure? _____
_____.
30. Describe the "Go Around" procedure. _____
_____.
31. What is the minimum runway length for takeoff with the following conditions:
a. Max. gross weight, no wind, sea level, 10° C temperature: _____ feet.
b. Max. gross weight, no wind, 5000', 100° F temp, and 50' obstacle: _____ feet.
32. Given the following: 66% power, 4000', standard temperature,
Find: gal/hr. _____, RPM _____, TAS _____.
33. VFR mins for flight in Class D airspace are _____ ceiling, _____ visibility (sm).
34. What is required for entry into Class D airspace? _____.
35. What type airspace surrounds an airport with a control tower when the tower has closed? _____
36. What type airspace is at Solberg airport? < 700' AGL _____, >700' AGL _____.
What are the weather minimums in both of these airspaces?
_____, _____.
37. State the required aircraft inspections? _____
_____.
38. What aircraft documents must be on the aircraft? _____
_____.
39. Do you need to have a chart with you at all times when solo? _____.
40. For N51, please fill in the following information:
1. Unicom frequency: _____
2. Elevation: _____
3. Runways: _____
4. Transponder code: _____
5. Transponder mode: _____
6. VOR frequency: _____
7. Traffic pattern altitude: _____
41. What is the weather briefing phone number? _____.

Student signature Date Flight Instructor signature and license # Date