

Trade Winds Aviation
Reid-Hillview Airport
2505 Cunningham Ave.
San Jose, CA 95148
(408) 729-5100

Cessna 172S Ground Review Checklist

All available aircraft documents, such as Pilot Operating Handbook, Weight & Balance Data, Checklists, etc. can be used to complete this worksheet. After completion and review by Instructor, a copy should be made for the pilot's reference. The original should be placed in the pilot's record folder.

Pilot: _____ *Aircraft Data Used:* *N* _____

Date: _____

1. *What is the fuel capacity? _____ Total Gallons/ _____ Usable Gallons.*
2. *How many tanks are there? _____ Capacity of each? _____ Total Gallons / _____ Usable Gallons.*
3. *How much fuel is at the taps? _____*
4. *What is the correct fuel grade? _____ Color? _____*
5. *How many fuel drains and where are they located? _____*
6. *When are they drained? _____*
7. *What is the recommended type and weight of oil? _____*
8. *At what level is oil added? _____*
9. *What is the aircraft empty weight? _____ Lbs*
10. *What is the useful load? _____ Lbs*
11. *What is the maximum gross takeoff weight? _____ Lbs*
12. *What is the maximum landing weight? _____ Lbs*
13. *What is the center of gravity range at max gross weight? _____*
14. **List the following speeds:**

| | |
|---|---|
| <i>Rotation</i> _____ | <i>Normal Climb</i> _____ |
| <i>Best Rate Climb</i> _____ | <i>Best Angle Climb</i> _____ |
| <i>Green Arc Range</i> _____ | <i>Yellow Arc Range</i> _____ |
| <i>Never Exceed</i> _____ | <i>Normal Approach</i> _____ |
| <i>Short Field Approach</i> _____ | <i>Soft Field Approach</i> _____ |
| <i>Stall: Takeoff configuration</i> _____ | <i>Stall: Landing Configuration</i> _____ |
| <i>Flap operating range</i> _____ | <i>Stall: flaps down, 60° bank</i> _____ |
| <i>Demonstrated crosswind</i> _____ | <i>Maneuvering speed</i> _____ @ max gross weight/ _____ @ 2000Lbs. |
| <i>Best glide</i> _____ | |
15. *What effect does reducing gross weight have upon maneuvering speed? _____*
16. *What type of engine does this aircraft have? _____*

17. What is the normal engine starting procedure? _____

18. How does the start procedure differ if engine is warm? _____

19. If engine is flooded, how do you start it? _____

20. What indicates an alternator malfunction? _____

22. What steps should be taken if the alternator has failed? _____

23. How many modes are available on the NAV radios? _____
24. List the steps required to fly direct to an airport using the GPS: _____

25. How can you find the nearest airport using the GPS? _____
26. Where is the GPS/NAV annunciator button and what is it used for? _____

27. What is the Go-Around procedure? _____

28. Given the following: 65% power, 5500 feet, standard temperature, full tanks:
What is the required RPM? _____ IAS? _____
Fuel consumption? _____ Endurance? _____
29. What is the takeoff distance over a 50-foot obstacle under the following conditions:
Max gross takeoff weight, no wind, sea level, and standard temperature? _____
Max gross takeoff weight, no wind, 5000 ft. pressure altitude, 100° F temp? _____
30. What is the landing distance over a 50-foot obstacle under the following conditions:
Normal weight, no wind, sea level, 85° F temp? _____
31. What documents must be on board the aircraft to be operated legally? _____

32. When are the following inspections due on the aircraft:
Annual? _____ Altimeter/Static Check? _____
Progressive? _____ Transponder Check? _____
ELT Inspection? _____ ELT Replacement? _____ WOC Check? _____
33. How many recurring AD's are there on this aircraft and when are they due? _____

Reviewed By: _____