

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

Cessna 172SP 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 tabs? _____
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 (at Max Gross Weight unless otherwise indicated):

Rotation _____	Normal Climb _____
Best Rate Climb _____	Best Angle Climb _____
Green Arc Range _____	Yellow Arc Range _____
Never Exceed _____	Normal Approach _____
Short Field Approach _____	Stall: Takeoff configuration _____
Stall: Landing Configuration _____	Best glide _____
Flap operating range _____	Stall; flaps down, 60° bank _____
Demonstrated crosswind _____	Maneuvering speed _____ @ max gross weight/ _____ @ 2000lbs.
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? _____

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

22. List the steps required to fly direct to an airport using the GPS: _____

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

25. What is the Go-Around procedure? _____

26. Given the following: 65% power, 5500 feet, standard temperature, full tanks:
What is the required RPM? _____ TAS? _____
Fuel consumption? _____ Endurance? _____
27. 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? _____
28. What is the landing distance over a 50-foot obstacle under the following conditions:
Normal weight, no wind, sea level, 85° F temp? _____
29. What documents must be on board the aircraft to be operated legally? _____

Reviewed By: _____