



COLORADO FLIGHT CENTER

AIRCRAFT REVIEW

Aircraft Make and Model: **Cessna 172SP**

Pilot Name: \_\_\_\_\_ Date: \_\_\_\_\_

*All aircraft documents may be used for this review.*

1. What is the total fuel capacity? \_\_\_\_\_
2. How many fuel tanks are there? \_\_\_\_\_
3. What is the capacity of each tank? \_\_\_\_\_
4. What is the total useable fuel capacity? \_\_\_\_\_
5. What is the correct fuel grade? \_\_\_\_\_
6. What is the color of the correct fuel grade? \_\_\_\_\_
7. Where are the fuel drains located? \_\_\_\_\_
8. When should they be drained? \_\_\_\_\_
9. What is the recommended grade and type of oil? \_\_\_\_\_
10. What is the minimum operating oil level? \_\_\_\_\_
11. What is the aircraft empty weight? \_\_\_\_\_
12. What is the useful load? \_\_\_\_\_
13. What is the maximum aircraft gross weight? \_\_\_\_\_
14. What is the best rate of climb airspeed ( $V_y$ )? \_\_\_\_\_
15. What is the best angle of climb airspeed ( $V_x$ )? \_\_\_\_\_
16. What are the recommended normal approach airspeeds?  
Downwind: \_\_\_\_\_  
Base: \_\_\_\_\_  
Final: \_\_\_\_\_
17. What is the recommended short field final approach airspeed? \_\_\_\_\_
18. What is the recommended short field final approach flap setting? \_\_\_\_\_
19. What is the recommended soft field takeoff procedure? \_\_\_\_\_  
\_\_\_\_\_
20. What effect does reducing gross weight have on the maneuvering speed? \_\_\_\_\_
21. What is the stall speed with full flaps ( $V_{s0}$ )? \_\_\_\_\_
22. What is the stall speed with full flaps and a  $60^\circ$  bank angle? \_\_\_\_\_
23. What is the maximum crosswind component for your aircraft? \_\_\_\_\_
24. What is the purpose of flaps? \_\_\_\_\_

25. What do you do in the event of a runaway autopilot? \_\_\_\_\_

26. What is the power setting, fuel consumption, and true airspeed for 60% power at 8000 feet and standard temperature?

RPM: \_\_\_\_\_

Fuel consumption: \_\_\_\_\_

TAS: \_\_\_\_\_

27. What would be the indication of alternator failure in your aircraft? \_\_\_\_\_

28. Where is the alternate static source located in your aircraft? \_\_\_\_\_

29. What changes in pitot-static instruments do you expect when you are using the alternate static source? \_\_\_\_\_

30. What are the minimum runway lengths for takeoff in your aircraft under the following conditions?

Max gross weight, no wind, sea level, 20°C: \_\_\_\_\_

Max gross weight, no wind, 7000 feet, 30°C, 50-ft obstacle: \_\_\_\_\_

31. When are your passengers required to have their seat belts and shoulder harnesses fastened? \_\_\_\_\_

32. What aircraft documents are required to be onboard during flight? \_\_\_\_\_

33. What are the basic VFR weather minimums in Class D airspace?

Ceiling: \_\_\_\_\_

Visibility: \_\_\_\_\_

34. VFR cruising altitudes are required above what minimum altitude? \_\_\_\_\_

35. What inspections are required on your aircraft? \_\_\_\_\_

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_