



COLORADO FLIGHT CENTER

AIRCRAFT REVIEW

Aircraft Make and Model: **Cessna 182T**

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° bank angle? \_\_\_\_\_
23. What is the maximum crosswind component for your aircraft (20%  $V_{s0}$ )? \_\_\_\_\_
24. What is the purpose of flaps? \_\_\_\_\_
25. What is the power setting, fuel consumption, and true airspeed for 60% power at 8000 feet and standard temperature?  
RPM: \_\_\_\_\_ Fuel Consumption: \_\_\_\_\_  
MP: \_\_\_\_\_ TAS: \_\_\_\_\_
26. What would be the indication of alternator failure in your aircraft? \_\_\_\_\_  
\_\_\_\_\_

27. Where is the alternate static source located in your aircraft? \_\_\_\_\_
28. What changes in pitot-static instruments would you expect if you were using the alternate static source? \_\_\_\_\_  
\_\_\_\_\_
29. What do you do in the event of a runaway autopilot? \_\_\_\_\_  
\_\_\_\_\_
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 is the highest altitude that you can maintain without supplemental oxygen? \_\_\_\_\_
33. What aircraft documents are required to be onboard during flight? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
34. What are the basic VFR weather minimums in Class D airspace?  
Ceiling: \_\_\_\_\_  
Visibility: \_\_\_\_\_
35. VFR cruising altitudes are required above what minimum altitude? \_\_\_\_\_
36. What inspections are required on your aircraft? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
37. Explain the proper procedures for leaning the mixture: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
38. What is the recommended lean setting with respect to EGT? \_\_\_\_\_
39. What is the normal (ideal) cylinder head temperature? \_\_\_\_\_
40. What is the normal (ideal) oil temperature? \_\_\_\_\_
41. Explain how to handle the "care and keeping" of your engine **on climb out** after departure. You should monitor:  
\_\_\_\_\_ and \_\_\_\_\_
42. List five actions you can take to counteract an over-heating engine: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
43. Explain how to handle the "care and keeping" of your engine **on descent**. \_\_\_\_\_  
\_\_\_\_\_
44. When should cowl flaps be open? \_\_\_\_\_  
When should they be closed? \_\_\_\_\_
45. What does "shock cooling" mean? \_\_\_\_\_
46. How can you prevent shock cooling? \_\_\_\_\_