



AIRCRAFT REVIEW

Aircraft Make and Model: ***Diamond DA20-C1***

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 total usable fuel capacity? _____
4. What is the correct fuel grade? _____
5. What is the color of the correct fuel grade? _____
6. Where are the fuel drains located? _____
7. When should they be drained? _____
8. What is the recommended grade and type of oil? _____
9. What is the minimum operating oil level? _____
10. What is the aircraft's empty weight? _____
11. What is the useful load? _____
12. What is the maximum aircraft gross weight? _____
13. What is the best rate of climb airspeed (V_y)? _____
14. What is the best angle of climb airspeed (V_x)? _____
15. What are the recommended normal approach airspeeds?
Downwind: _____
Base: _____
Final: _____
16. What is the recommended soft field takeoff procedure? _____

17. What is the recommended leaning procedure in cruise? _____
18. What effect does reducing gross weight have on the maneuvering speed? _____

19. What is the stall speed with full flaps (V_{s0})? _____

20. What is the stall speed with landing flaps and a 60° bank angle? _____

21. What is the maximum crosswind component for your aircraft? _____

22. What is the purpose of flaps? _____

23. What is the power setting, fuel consumption, and true airspeed for 8000 pressure altitude feet, 54% bhp and standard temperature?

RPM: _____

Fuel consumption: _____

TAS: _____

24. What would be the indication of generator failure in your aircraft? _____

25. When should the fuel pump be on? _____

26. Where is the purpose of alternate air in your aircraft? _____

27. What is the ground roll takeoff distance in your aircraft under the following conditions?

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

Max gross weight, no wind, 5000 feet, 30°C , 50-ft obstacle: _____

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

29. What aircraft documents are required to be onboard during flight?

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

Ceiling: _____

Visibility: _____

31. VFR cruising altitudes are required above what minimum altitude? _____

32. What inspections are required on your aircraft? _____

Reviewed by: _____ Date: _____