



## AIRCRAFT REVIEW

Aircraft Make and Model: *Cessna 182Q*

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 usable 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's 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 ( $V_y$ ) sea level and 10,000ft? \_\_\_\_\_
15. What is the best angle of climb airspeed ( $V_x$ ) sea level and 10,000ft? \_\_\_\_\_
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 this aircraft? \_\_\_\_\_

24. What is the purpose of flaps? \_\_\_\_\_

25. How many vacuum pumps are there? \_\_\_\_\_

\_\_\_\_\_

26. What is the fuel consumption, and true airspeed for 58% power at 8000 feet, 2300 rpm and standard temperature?

MP: \_\_\_\_\_

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

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

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

\_\_\_\_\_

28. Where is the alternate static source located in this 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 landing in your aircraft under the following conditions?

Weight: Max Landing Weight

Winds: Calm

Field Elevation: 3050 ft

Density Altitude: 5820 ft

Temperature: 20°C:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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 minimum runway lengths for takeoff in your aircraft under the following conditions?

Weight: Max Takeoff

Winds: 160° 10kts

Field Elevation: 7000 ft

Temperature: 30°C

There's a 50-ft tower at the departure end of the runway

---

---

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 this aircraft? \_\_\_\_\_

---

---

---

37. If you were to lose oil pressure what would happen to the pitch attitude of the constant speed propeller?

---

---

38. What causes a prop overspeed condition?

---