

AIRPLANE QUESTIONNAIRE		Date:	
Name:		Type/Model A/C:	
Check Pilot:			
Complete this open book questionnaire using the Flight Manual/Pilot's Operating Handbook. If a question or part of the question is not applicable, write in N/A. The Check Pilot will review and approve the questionnaire. Minimum passing score is 100%. The completed questionnaire will be filed in the pilot's flight records.			
1. Approved fuel grades and colors are:			
2. Location/capacity of each fuel tank is:			
3. Total Usable Fuel under all flight conditions is:		Gallons.	
4. Endurance at 75% power, 7,500' MSL, with 1-Hour reserve is:		Hours.	
5. Make and Grade of Oil used?		Winter:	Summer:
6. Oil Capacity: quarts.		Minimum oil quantity for Take-Off: quarts.	
7. Minimum Oil Pressure: psi.		Maximum Oil Pressure: psi.	
8. Maximum Oil Temperature: °F or °C			
9. Magnetos are checked at: RPM		RPM drop not to exceed: RPM on	
either magneto or		RPM RPM differential between both magnetos.	
10. Maximum RPM and MP for Take-Off are:		RPM and in/Hg.	
11. Maximum Gross Take-Off Weight: pounds.		Empty Weight: pounds.	
Useful Load: pounds.		Maximum Landing Weight: pounds.	
12. Baggage Compartment Locations/Weight Limitations:			
13. List the Indicated Airspeeds (IAS) at Maximum Gross Weight for the following:			
a. V_A (Maneuvering Speed):		e. V_X (Best Angle of Climb):	
b. V_{SO} (Stall, Landing Config, Pwr Off):		f. V_Y (Best Rate of Climb):	
c. V_{S1} (Stall, Cruise Config, Pwr Off):		g. V_G (Best Glide Speed):	
d. V_{NO} (Maximum Cruising Speed):		h. V_{NE} (Never Exceed Speed):	
14. Give the Immediate Actions/Memory Items for:			
a. Engine Failure Immediately After Take-Off:			
b. Fire During Cranking and Engine Fails to Start:			
c. Engine Fire In-Flight:			
d. Electrical Fire In-Flight:			

15. Normal Take-Off Flap setting is: _____, Short Field Take-Off setting is: _____,
and Soft Field Take-Off setting is: _____

16. Maximum demonstrated Take-Off/Landing Crosswind Component is _____ knots.

17. Given: PA = 6,300'; Temperature = 86 °F; Runway 25; Wing = 320° at 14 knots; Runway is Paved, Level and Dry; Aircraft is at Maximum Take-Off Weight.

Calculate: Total Take-Off Distance to clear a 50' Obstacle (show your calculations below):

18. Given: PA = 6,300'; Temperature = 68 °F; Wind Calm; Runway Paved, Level, and Dry; Aircraft is at Maximum Landing Weight.

Calculate: Total Landing Distance to clear a 50' Obstacle (show your calculations below):

19. Landing Runway 20; Wind 190° at 22 Knots, Gusting to 30 Knots. Will the maximum demonstrated crosswind component for this aircraft be exceeded (show your calculations below)?