

Name: _____

Date: _____

CFI Signature: _____



1. List the following for all aircraft you intend to fly:

	N992VT	N9698V	N785BG	N738PV	N73345	N364SP
Service Ceiling						
Max Gross Takeoff Weight						
V _X						
V _Y						
V _A						
V _{S0}						
V _{S1}						
V _{FE}						
V _{NO}						
V _{NE}						
Approach Speed (Full Flaps)						
Approach Speed (Clean)						
Best Glide						
Oil Capacity (Max, Min, Type)						
Fuel Capacity						
Takeoff Distance Over 50' (KBTV, 15°C, 29.92", 5KT Tailwind)						
Short Field Landing Distance (Using Above Variables)						
Takeoff Flap Setting for Short or Soft						
Maximum Demonstrated Crosswind						

	N298ME	N64AF	N959JA	N543TH	N6482M
Service Ceiling					
Max Gross Takeoff Weight					
V _X					
V _Y					
V _A					
V _{S0}					
V _{S1}					
V _{FE}					
V _{LO}					
V _{LE}					
V _{NO}					
V _{NE}					
Approach Speed (Full Flaps)					
Approach Speed (Clean)					
Best Glide					
Oil Capacity (Max, Min, Type)					
Fuel Capacity					
Takeoff Distance Over 50' (KBTV, 15°C, 29.92", 5KT Tailwind)					
Short Field Landing Distance (Using Above Variables)					
Takeoff Flap Setting for Short or Soft					
Maximum Demonstrated Crosswind					

	N991VT	N990VT	N5673T	N425CE	N956GV
Service Ceiling					
Max Gross Takeoff Weight					
V _X					
V _Y					
V _A					
V _{S0}					
V _{S1}					
V _{FE}					
V _{NO}					
V _{NE}					
Approach Speed (Full Flaps)					
Approach Speed (Clean)					
Best Glide					
Oil Capacity (Max, Min, Type)					
Fuel Capacity					
Takeoff Distance Over 50' (KBTV, 15°C, 29.92", 5KT Tailwind)					
Short Field Landing Distance (Using Above Variables)					
Takeoff Flap Setting for Short or Soft					
Maximum Demonstrated Crosswind					

1. Determine for the following conditions for an airplane of intended use:

PA – 6500’
 Temp – ISA + 10° C
 Power – 65%

TAS –
 Fuel Flow –
 Endurance –

2. Determine the Weight and Balance for an airplane of intended use

N-Number: _____

Location	Weight	Arm	Moment
Basic Empty Weight			
Pilot & Front Passenger			
Rear Passengers			
Baggage			
Fuel			
Total			

3. What is the procedure for setting the autopilot to fly a heading? (GFC 500 equipped aircraft only)
4. What does ESP do on the Garmin G5? (GFC 500 equipped aircraft only)
5. What is the process to shut off the autopilot? (GFC 500 equipped aircraft only)
6. What is the procedure for a trim runway? (Autopilot equipped aircraft)

7. What is the appropriate propeller pitch setting for takeoff? (Complex aircraft only)

8. Briefly describe the prop governor system. (Complex aircraft only)

9. In a single engine complex aircraft, when should the gear be raised? (Complex aircraft only)

10. How does the landing gear system operate on the Arrow?
 - a. How long does it take for the gear to be raised or lowered?

 - b. How is the gear held up?

 - c. How is the gear kept down?

 - d. How is gear retraction prevented on the ground

11. What is the procedure if the gear pump is continuously operating in the Arrow?

12. What is the procedure for the Emergency Gear extension in the Arrow?

13. If oil pressure were lost in the Arrow, how would that effect the pitch of the propeller?

14. What flow should be used for the Arrow to determine all appropriate items are completed before landing?