



Checkout Test

1. List the following airspeeds and their definitions, as well as how they are placarded if applicable:

Abbreviation	Airspeed (kts)	Definition	How placarded (if applicable)?
V_{S0}	<i>55 mph</i>	<i>Ex. Stall speed landing configuration</i>	<i>Bottom of white arc</i>
V_S			
V_R			
V_X			
V_Y			
V_{FE}			
V_A			
V_{NO}			
V_{NE}			
V_G (best glide)			

2. The maximum RAMP gross weight of this airplane is _____

3. The maximum TAKEOFF gross weight of this airplane is _____

4. Fuel Capacity:

Max Capacity: _____ of which _____ is usable.

The minimum fuel you should take off with during the day is: _____

(Reference the POH and FARs)

5. Oil:

Max capacity: _____

Minimum to fly with: _____

Grade: _____

6. Calculate and plot the following with the accompanying table and chart:

The empty weight of the aircraft is _____ lb

The empty CG of the aircraft is _____ (in. or lb-in.)

The useful load with full fuel is _____ lb

Point 1: Your Weight, 200 lb co-pilot, 35 gal fuel

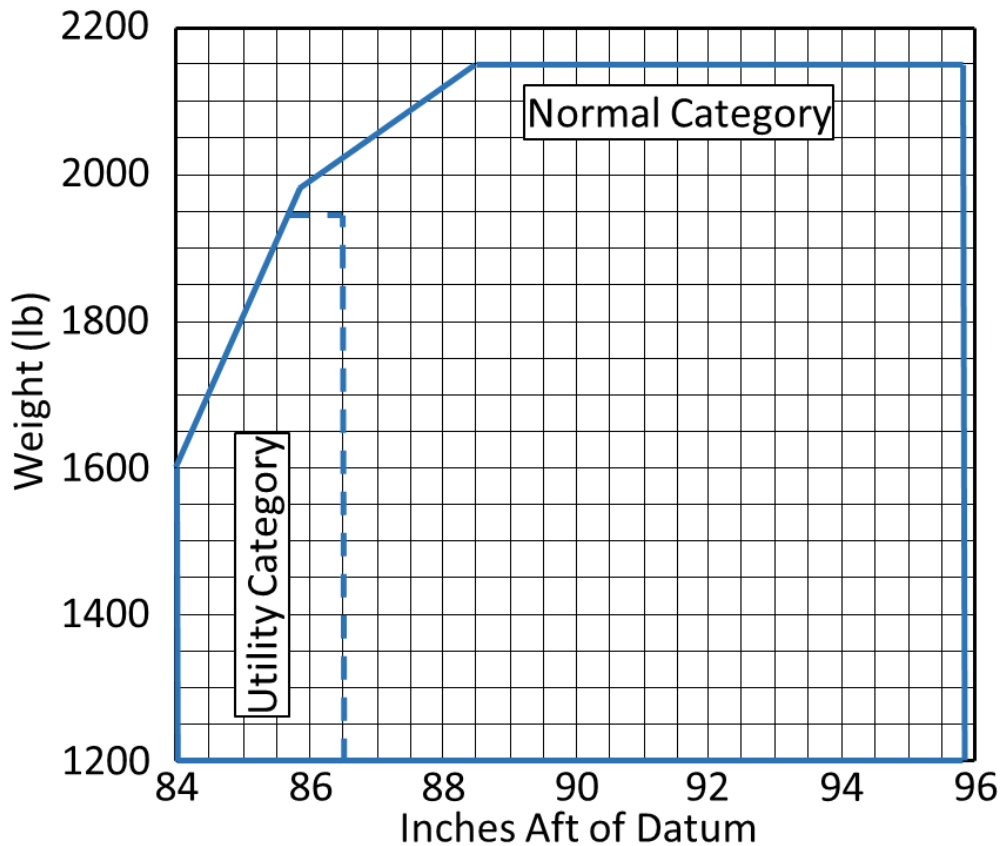
Point 2: Your Weight, 200 lb co-pilot, and CALCULATE the max fuel

Point 3: Your Weight, 200 lb co-pilot, 15 gal fuel, and CALCULATE the max rear passenger



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Item	Weight (lb)	Arm (inches)	Moment (in-lb)
Licensed Empty Weight			
Oil (8 quarts)		32.50	
Pilot and Front Passenger		85.50	
Passengers (rear seat)		117.00	
Fuel (50 gallons, 6 lb/gal)		95.00	
Baggage Area 1 (rear seat)		117.00	
Baggage Area 2 (100 lb max)		133.30	
Totals (2150 lb max)		-----	





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7. What is the maximum demonstrated crosswind component? _____
8. Describe how to listen on two separate frequencies. (multiple options)
9. Using the GTN650, describe at least two methods to change the standby frequency:
10. Describe one of the methods using the GTN650 to determine the frequency for weather at your destination airport.
11. When should the electric fuel pump be used?
12. What is takeoff distance to clear a 50 foot obstacle (std day)?
13. What type of engine does the aircraft have?

What is the engine horsepower?
14. Describe the procedures if an electrical fire occurs in flight.
15. Describe the procedure for landing without engine power in a field.
16. If engine power is lost at 6000 ft AGL, how far can you expect to glide in calm conditions at V_g ?
17. How many sumps are in each wing?

How many sumps are in the fuselage?



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18. What is the maximum allowable flap setting for takeoff?
19. Describe the difference between standby, ON, and ALT on the transponder. If ADSB out was inoperable, how would you know?
20. At a normal cruising altitude of 6000ft pressure altitude, standard day, and 2300 rpm, what are the following:
Knots True Airspeed: _____
Fuel Burn (gph): _____
Fuel Burn (nm/gal): _____
23. Are spins authorized?
24. How do you turn on the navigation lights? How do you turn on the panel lights?

Instructor _____ Student Signature _____
Instructor Signature _____
Date of Review/Logbook Endorsement _____