

Aircraft Ground Review

N75776

Pilot: _____

Date: _____

AIRSPEDS

Fill out the following table (use IAS and specify MPH or KTS)

V _{so}		V _a		Best Glide	
V _{sl}		V _{no}		Normal Approach	
V _r		V _{ne}		Demonstrate Crosswind	
V _x		V _{fe}			
V _y					

SYSTEMS

1. What is the total fuel capacity and the total usable fuel capacity? _____
2. Where are the fuel drains located and what part of the fuel system does each one drain?

3. When should the fuel be sumped and checked? _____
4. What grade(s) and colors of fuel may be used? _____
5. What type of oil is used? _____
6. What is the manufacturer's minimum and maximum operating oil level? _____
9. Does this aircraft have carb heat? _____
10. If it does, when should carburetor heat be used?

11. What is the voltage of the electrical system? _____

PERFORMANCE

Using the following conditions and the aircraft at maximum gross weight departing and landing at U42, compute the following: Wind: 110@18 Temperature: 35°C Altimeter: 30.53

1. Crosswind component: _____
2. What is the pressure altitude _____
3. How many degrees above or below standard is it? _____
4. Takeoff ground roll distance _____
5. Total takeoff distance to clear a 50 foot obstacle _____
6. Fuel burn rate and TAS at 10,500 feet MSL with 64% power _____
7. Landing ground roll distance _____
8. Total landing distance to clear a 50 foot obstacle _____

WEIGHT & BALANCE

1. What is the maximum takeoff weight? _____
2. What is empty weight of this aircraft? _____
3. What is the useful load? _____
4. What is the payload with full fuel? _____
4. How much weight is allowed in the baggage area? _____
5. Compute the weight and balance for your check out flight.

	Weight	Arm	Moment
Empty			
Fuel			
Front Passengers			
Rear Passengers			
Baggage			
Totals			

EMERGENCY PROCEDURES

1. What is the emergency procedure for an engine failure in flight?

2. What is the emergency procedure for an electrical fire?

3. What is the emergency procedure for an engine fire while starting?
