



## Aircraft Checkout Quiz

**Aircraft Type** \_\_\_\_\_ **Aircraft N#** \_\_\_\_\_

### Aircraft V Speeds

Please list speeds in MPH or KTS, appropriate to the aircraft.

- |                     |                                         |
|---------------------|-----------------------------------------|
| 1. Best Glide _____ | 7. $V_{LE}$ _____                       |
| 2. $V_X$ _____      | 8. $V_A$ _____                          |
| 3. $V_Y$ _____      | 9. $V_{NE}$ _____                       |
| 4. $V_{SO}$ _____   | 10. Approach to Land _____              |
| 5. $V_S$ _____      | 11. $V_{MC}$ _____ (multi engine only)  |
| 6. $V_{FE}$ _____   | 12. $V_{YSE}$ _____ (multi engine only) |

### Aircraft Limitations

1. Engine make & designation \_\_\_\_\_ Engine H.P. \_\_\_\_\_
2. What weight of oil is to be used? \_\_\_\_\_
3. What is the min & max quantity of oil required prior to flight? Min \_\_\_\_\_ Max \_\_\_\_\_
4. What is the maximum demonstrated crosswind component? \_\_\_\_\_
5. What is the octane rating of fuel recommended for this aircraft? \_\_\_\_\_
6. Total fuel Capacity \_\_\_\_\_ Total useable fuel \_\_\_\_\_
7. Fuel Tank Locations & Capacities
 

Main tank	_____	_____	Gallons
Right tank	_____	_____	Gallons
Left tank	_____	_____	Gallons
Aux tank #1	_____	_____	Gallons
Aux tank #2	_____	_____	Gallons
8. Where and how do you drain the fuel sumps? \_\_\_\_\_
9. What is the useful load of the aircraft? \_\_\_\_\_
10. What is the payload of the aircraft with full fuel? \_\_\_\_\_
11. What is the maximum allowable weight that can be carried in the baggage compartments?
 

Front	_____ lbs	Right nacelle	_____ lbs
Rear	_____ lbs	Left nacelle	_____ lbs
Luggage area	_____ lbs	Total	_____ lbs
12. Is the landing gear fixed, manual hydraulic or electric? \_\_\_\_\_  
 If it is retractable, what is the back-up system? \_\_\_\_\_



**Performance**

1. What is the estimated TAS at 8,000 ft MSL and 65% power? \_\_\_\_\_
2. What RPM or combination of RPM & Manifold Pressure yields 65% power at 8,000 ft MSL?  
\_\_\_\_\_ RPM \_\_\_\_\_ MP
3. How many gallons of fuel are used per hour at 65% power at 8,000 ft MSL? \_\_\_\_\_
4. With a full fuel load at 65% power at 8,000 ft MSL, allowing for 45 mins reserve, what is the maximum endurance? \_\_\_\_\_ Hrs
5. How does the manufacturer specify mixture setting for best economy? \_\_\_\_\_  
\_\_\_\_\_
6. What is pressure altitude and how do you find it? \_\_\_\_\_  
\_\_\_\_\_
7. What take-off distance is required to clear a 50 ft obstacle at max take-off weight, pressure altitude of 6,000 ft and a temperature of 75<sup>o</sup>F (no wind, hard surface)? \_\_\_\_\_ ft
8. Referencing the previous question, what's the take-off distance at sea level? \_\_\_\_\_ ft
9. Would high humidity increase or decrease this distance? \_\_\_\_\_
10. (Multi-engine only) In the event of an engine failure, can all onboard fuel be fed to the running engine? If yes, explain how. \_\_\_\_\_
11. Complete a weight & balance form, as specified by your instructor.

**Flight Planning**

1. What is the emergency frequency? \_\_\_\_\_
2. FSS Frequencies: Transmit \_\_\_\_\_ Receive \_\_\_\_\_
3. Where can you find the FSS Phone number? \_\_\_\_\_  
\_\_\_\_\_

Print Name \_\_\_\_\_ Signature \_\_\_\_\_

Date \_\_\_\_\_

I have checked this quiz and reviewed with the pilot the questions that were answered incorrectly. With the satisfactory completion of a flight check and this quiz, I find this pilot competent to fly this aircraft.

CFI Name \_\_\_\_\_ Signature \_\_\_\_\_

CFI Number \_\_\_\_\_ CFI Expiration \_\_\_\_\_