

Pilot Name:

Instructor Name:

Date:

# Aircraft Checkout

PA-28-151/ 161/ 181

1. V-speeds (knots)

V <sub>R</sub>	
V <sub>X</sub>	
V <sub>Y</sub>	
V <sub>cruise climb</sub>	
V <sub>A</sub>	
V <sub>NO</sub>	
V <sub>FE</sub>	
V <sub>Best glide</sub>	
V <sub>approach</sub>	
V <sub>S (clean)</sub>	
V <sub>SO (flaps &amp; gear down)</sub>	

**Note to all:**

**Falcon Field has three colors of airplane tiedowns:**

White: Falcon Executive Aviation

Red: Transient and overflow parking

Yellow: Private/ rented- DO NOT USE

2. What is *normal* (not short) *takeoff total distance* at 5,000 ft field elev. @ 29.92" & 80° F?

\_\_\_\_\_

3. What is this plane's fuel capacity (tabs and full)? What grade and color?

\_\_\_\_\_

4. How many gallons does it burn per hour @ full-power climb? @ 75% cruise?

\_\_\_\_\_

5. How many quarts of oil maximum & minimum would you use? What type?

\_\_\_\_\_

6. How many volts does the electrical system run on?

\_\_\_\_\_

7. Where are the battery and GPU socket?

\_\_\_\_\_

8. Calculate weight & balance for: Front passengers 360 lbs., Rear passenger 180 lbs., Baggage 150 lbs., & full fuel. Is the plane within limitations? If not, what can be done?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9. What are the procedures for a maximum performance short field takeoff?

\_\_\_\_\_

\_\_\_\_\_

10. What is the procedure for switching fuel tanks?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

For #11 and #12: "cold start" refers to an engine block below approx 60 ° F inside. "Hot start" refers to an engine 60 ° F inside and above regardless of time since use.

11. What is the procedure for a cold start?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Pilot Name:

Instructor Name:

Date:

12. What is the procedure for a hot start? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
13. What does it mean if the load meter reads zero amperes during flight? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. What can you do if you have to follow slower traffic in the pattern? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
15. What brand, displacement, & horsepower is the engine? Injected or carb? What method(s) of cooling does the engine use? \_\_\_\_\_  
\_\_\_\_\_
16. What brand & type of propeller does the plane have? \_\_\_\_\_  
\_\_\_\_\_
17. While starting, you notice smoke or flame coming out of the cowling. What is the most likely cause and what would you do? (Explain each option) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
18. What kind of airspace is Falcon Field, and are there any Mode C requirements? \_\_\_\_\_  
\_\_\_\_\_
19. What is the floor of Phoenix airspace to the west? Over Falcon north, south, & east? \_\_\_\_\_  
\_\_\_\_\_
20. What instruments are part of the pitot-static system? From what port(s) do they sense? Where are they located on the plane? Is there any backup to these (failure, blockage, etc.)? \_\_\_\_\_  
\_\_\_\_\_
21. Describe the stall warning system on this plane, where the sensor is, and whether it has backup in case of failure, blockage, etc. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
22. Is the vacuum system electric, hydraulic, or engine driven? Where is(are) the pump(s)? What instruments, gauges, warning systems, etc. are connected? \_\_\_\_\_  
\_\_\_\_\_
23. What hydraulic systems are on this plane? How do you check them? Is there any redundancy? \_\_\_\_\_  
\_\_\_\_\_
24. **Describe OR draw** the fuel system from tank(s) to engine, including sumps, pump(s), and selector, as well as how they work, how and when you use them, and where they are. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_