

Pilot Name:

Instructor Name:

Date:

Aircraft Checkout

PA-28R-200B

1. V-speeds (our Arrow's airspeed indicator is MPH, please specify if using knots)

V _R	
V _X	
V _Y	
V _{cruise climb}	
V _A	
V _{NO}	
V _{FE}	
V _{LE (max gear down)}	
V _{LR (max gear up)}	
V _{Best glide}	
V _{approach}	
V _{S (clean)}	
V _{SO (flaps & gear down)}	

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 the Arrow'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 160 lbs., Baggage 200 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. Does this plane have an auto gear extension system? _____

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11. What is the procedure for manually extending the gear? _____

12. What is the procedure for switching fuel tanks? _____

For #13 and #14: "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.

13. What is the procedure for a cold start? _____

14. What is the procedure for a hot start? _____

15. What does it mean if the load meter reads zero amperes during flight? _____

16. What can you do if you have to follow slower traffic in the pattern? _____

17. What brand, displacement, & horsepower is the engine? Injected or carb? What method(s) of cooling does this engine use? _____

18. What brand & type of propeller does the plane have? _____

19. 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)

20. What kind of airspace is Falcon Field, and are there any Mode C requirements? _____

21. What is the floor of Phoenix airspace to the west? Over Falcon Field north, south, & east?

22. What's a "squat switch" for? Where is it located? _____

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23. 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.)? _____

24. Describe the stall warning system on this plane, where the sensor is, and whether it has backup in case of failure, blockage, etc. _____

25. Is the vacuum system electric, hydraulic, or engine driven? Where is(are) the pump(s)? What instruments, gauges, warning systems, etc. are connected? _____

26. What hydraulic systems are on this plane? How do you check them? Is there any redundancy? _____

27. **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. _____
