

Airborn Flight Services, Inc.

AIRCRAFT CHECKOUT

Pilot's Name _____

Instructor's Name _____

Aircraft Make and Model _____

Date of Checkout _____

Checked-out in capacity (mark all that applies) __ Renter __ CFI __ CFII

Instructor's Certificate Number, Expiration Date, Signature (only if satisfactory),
otherwise comments.

AIRCRAFT DATASHEET

1. Fill in the V-speed definitions and the corresponding speeds.

	DEFINITION	SPEED
V_{so}	_____	_____
V_{s1}	_____	_____
V_x	_____	_____
V_y	_____	_____
V_{FE}	_____	_____
V_{LO} (RETRACT)	_____	_____
V_{LO} (EXTEND)	_____	_____
V_A	_____	_____
V_{NO}	_____	_____
V_{NE}	_____	_____

2. What is the best glide speed for your airplane? _____
3. What is the maximum allowable flap setting for takeoff in your aircraft? _____
4. The total usable fuel capacity for your aircraft is _____ gallons.
5. Describe the engine in your aircraft

6. On a standard day (sea level temperature, 59°F, altimeter 29.92 in. Hg.), the fuel consumption rate during normal (approximately 75% power) cruise is _____ gallons per hour.
7. What grade or grades of fuel can be safely used in your aircraft? What are the colors of the recommended fuels? What happens to the color of the fuel if two grades are mixed?

8. What are the fuel selector positions? When do you need to switch fuel tanks?

9. The maximum oil capacity of your aircraft is _____ quarts, and the minimum oil capacity to begin a flight is _____ quarts.

10. The maximum demonstrated crosswind component is _____ KTS/MPH.

11. For carbureted aircraft, when do you use carburetor heat? What are the indications of carburetor icing?

12. For fuel-injected aircraft, when do you use alternate air?

13. What is the takeoff and landing distance over a 50-foot obstacle for your aircraft at your airport? Assume maximum certificated takeoff weight, 80°F, winds calm, and an altimeter setting of 29.52.

14. Why is it necessary to drain fuel out of the sumps after refueling and before the first flight of the day?

15. What are wing-tip vortices (wake turbulence)? With which aircraft are they greatest? Describe the proper avoidance technique.

16. During a mag check, what is the maximum allowable rpm drop?

Piper Arrow Specific Questions:

17. List conditions that will result in Gear Unsafe warning.

18. List conditions under which the gear will not retract.

19. List conditions under which the gear will extend automatically

20. When are the gear lights dimmed?

21. List switches/sensors on each gear:

Right Main: _____

Left Main: _____

Nose: _____

22. List steps for emergency gear extension

23. What's the procedure to override the Backup Gear Extender? What is the in-cockpit indication that it is overridden?

MANEUVERS
(Mark Pass or Fail)

	PASS	FAIL
Pre-Flight Procedure	_____	_____
Take-offs	_____	_____
Landings	_____	_____
Slow Flight	_____	_____
Power-off Stall	_____	_____
Power-on Stall	_____	_____
Steep Turns	_____	_____
Unusual Attitudes	_____	_____
Engine Failure	_____	_____
Fire Emergencies	_____	_____
Emergency Gear Extension (if applicable)	_____	_____
Use of Checklists	_____	_____
Post-Flight Procedure	_____	_____