

Ground Portion:

- What is Vmc
- What is the difference between Vmca and Vmcg
- Do we have a Vmcg
- What factors effect Vmc
- List all of the relevant airspeeds for the baron
- If the runway length is less than our accel-stop distance, may we depart if we are part 91
- What is the definition of the critical engine
- Which engine is the critical engine
- What determines which engine is the CE
- Explain how the flaps work
- Explain how the gear operates
- What type of electrical system do we have
- How can you extend the gear if it won't extend electronically
- Can a single generator/alternator charge our batteries
- How can you tell if one of the two vacuum pumps has failed
- If a single pump fails, will we still have our vacuum powered gauges
- Explain the fuel system
- Trace the fuel system from the main tank to the engine and draw a schematic
- If we are x-feeding, how can we control which tank on the opposite side the engine will draw from
- Explain how our propeller system works
- Be able to explain in detail, the governor for the prop, and what a change in airspeed or MP will do to the pitch of the blades, and how oil flows in/out of the governor
- What is something unique to generators you should be careful about (starting the engines)
- What (if any) is hydraulic in the baron
- Explain all of the deicing features of the baron
- Is the baron FIKI certified

Flight Portion:

- Engine start into a normal departure
- Clearing turns
- Slow flight
- Power on stall
- Power off stall
- Vmc Demo
- Accelerated stall
- Steep Turns
- Killed Engine
- Restarted
- Into emergency descent

- Put on hood, got a vector from Faribault to the ILS30 into LVN
- Around 7 mi out from the FAF on the vector, pulled power back on left engine
- Normal landing on the single engine
- Taxied back for a short-field departure into a standard short-field landing
- Go around on short final
- 1 lap around pattern to complete the short-field landing
- Taxied back, killed left engine on the take-off roll
- Departed, killed engine on x-wind leg of pattern and did a standard SE landing
- Flight completed