

FMFA Incorporated Pre-Solo Test

Pilot: _____

Date: _____

1. What class of medical certificate must a student pilot hold in order to solo? _____
2. When does your Third class medical or Basic Med expire? _____
3. What must the instructor endorse before you can solo in any particular make and model of aircraft? _____ How long is that endorsement good for? _____
4. Can you solo without this endorsement? _____
5. Can student pilots carry passengers? _____
6. Can a student pilot fly an aircraft in furtherance of his business? _____
7. When must you carry your student pilot certificate? _____
8. To whom are you required to present it when requested? _____
9. What make and model of aircraft do you plan to solo? C150, C172, Warrior (pick one)
10. Define the following V speeds and give their value for this aircraft

Speed Item	Cessna 150 (mph)	Cessna 172 (Kts)	Piper Warrior (Kts)
V_{so}			
V_s			
V_x			
V_y			
V_{fe}			
V_a @ max wgt			
V_{no}			
V_{ne}			
Best Glide			

11. What limitations has your instructor given you for solo flights? These are Chief Instructor min recommendations – individual CFIs should set their own personal minimums and they can be less than these if you are not comfortable with these. No night student solo flights are permitted in FMFA aircraft.

Ceiling	Visibility	Wind	Crosswind Component
2500'	5sm	<20kts	<7kts

12. If approaching another aircraft head on or nearly so, you shall give way to the right/left (circle)?
13. If your airplane is converging with another airplane at the same altitude or nearly so, which airplane has the right of way? Aircraft to the right/left (circle)
14. If you are overtaking another aircraft, the other aircraft has the right of way. You must pass to the right/left (circle) and pass well clear.
15. At the airport from which you operate, controlled airspace begins at (FME) _____ feet AGL.

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16. When operating with Visual Flight Rules below 10,000 ft MSL and above 1,200 feet AGL you must remain how far from clouds? _____ above, _____ below, _____ horizontally.
17. The minimum safe altitudes as stated in the FAA Regulations are "Anywhere": _____ ft above and _____ ft vertical distance in populated areas, _____ ft unpopulated areas
18. Scanning for traffic is most efficient if the horizon is scanned in _____ degree increments.
19. When should you apply carburetor heat in the airplane you will solo? C152/C172/Warrior (circle) when power is below _____ RPM or flying through _____.
20. What are the communications frequencies at the airport at which you will solo? _____
21. Recovery from practice stalls must be made at least _____ ft AGL.
22. What are the maximum degrees of flaps to be used for takeoff in the aircraft you will solo? _____ degrees
23. How many notches of flaps is that setting? ____ for C152/C172/Warrior (circle).
24. FAA Regulations specifically prohibit flying in a reckless or careless manner. State 3 activities that you consider to be reckless or careless but do not otherwise specifically violate a FAA Regulation:

25. For each runway at Tipton (KFME), state whether the 1000' MSL traffic pattern is right or left handed?
Runway 10 Pattern RP/LP (circle) Runway 28 Pattern RP/LP (Circle)

26. Define the following abbreviations or terms:

Abbrev	Definition	Abbrev	
ADF		DME	
ATC		NDB	
FAR		VFR	
IFR		Ident	
Squawk		PIC	
AGL		MSL	
KIAS		CAS	
TAS		VOR	
VORTAC		Stall	

I have completed this pre-solo written exam, reviewed all the questions and answers with my instructor, and fully understand all the material covered.

Student's Signature: _____ Student Pilot Certificate #: _____

Graded By: _____