Pre-Solo Written Exam

Aircraft Make & Model:	Instructor:					
<u> Aircraft</u>						
1.) What is the total fuel capacity of the	aircraft? Gallons total					
2.) How many gallons of fuel are unusal	ble?					
3.) What color is this fuel?						
4.) How can you determine if there is w	ater in the fuel?					
5.) Where are the fuel sumps located on	the aircraft?					
6.) Where is the fuel vent located, and v	6.) Where is the fuel vent located, and what is its purpose?					
7.) What are the maximum and minimum	m oil capacities? quarts Max.	quarts Min				
8.) What are the following speeds and the	neir associated values for your aircra	ft?				
A. Vne:	/	kts				
B. Vfe:	//	kts				
C. Va:	/	kts				
D. Vx:	/	kts				
E. Vy:	/	kts				
F 37	/	kts				
F. Vs:						
G. Vso:	/	kts				
	//	kts				
		kts				

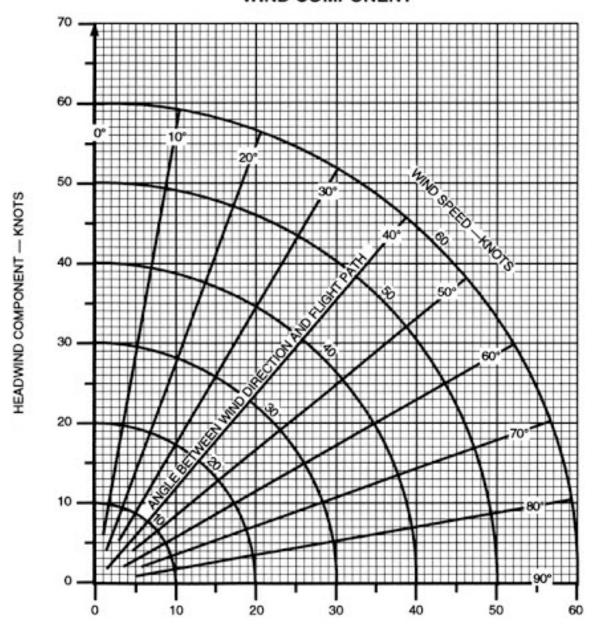
0.) What do you do if your engine fails?					
_	ocedure for an engine fire:				
On the ground of	during start:				
takeoff on runw	owing conditions, what is the headwind and crosswind component for a vay 14? kts headwind kts crosswind				
KL	WM 111854Z 17015 10SM SCT055 BKN075 14/08 A2977				
	to the aircraft stall speed in a 60-degree bank?				
	done to recover from a stall?				
6.) What are the st	teps to recover from a spin?				
7.) Describe a "sic	de slip"				

18.) Describe a "forward slip"
19.) What is density altitude
20.) When do we use carburetor heat? What is an indication of carburetor icing?
Regulations 21.) What personal documents and endorsements are you required to have before you fly
solo? (FAR 61.87)
22.) When must seatbelts and shoulder harnesses be worn? (FAR 91.105 & 91.107)
23.) When are you allowed to deviate from an ATC clearance or instruction?
24.) After consuming alcohol, how many hours must have passed since your last drink, and what must your blood alcohol content be below? (FAR 91.17)
25.) Can student pilots carry passengers? Yes / No (FAR 61.89)
26.) Can student pilots fly for compensation or hire? Yes / No (FAR 61.89)
27.) What is the minimum fuel reserve required for a day VFR flight, and on what cruise speed is this reserve based on? (FAR 91.151)

	Except when taking off or landing, what are the minimum safe altitudes over congested
	reas? feet Uncongested areas? feet (FAR 91.119)
	If the current local altimeter setting is not available, what setting should you use before
O	leparting? (FAR 91.121)
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30.)	What documents must be in the aircraft for it to be considered airworthy? (FAR 91.203)
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<u>(</u>	<u>General</u>
	What is the traffic pattern altitude at KLWM? MSL
	What direction is a standard traffic pattern?
	What are the standard dimensions of a Class D airport and what are the entry equirements?
34.)	What are the basic VFR day weather minimums to fly in class C, D and E airspace?
35.)	Can a student pilot fly in or through Class B airspace on a solo flight?
36.)	Do we need a transponder to depart and arrive at KLWM? Explain your answer.
- 37.)	The air traffic controller clears you or the option, what are you able to do with this

8.) When is radio con	nmunication cons	idered "established" be	etween an aircraft and ATC?
9.) What are the follo	wing transponder	codes?	
1200:	7500:	7500: 7600:	
7700:			
0.) Name and explain	the standard Air	Traffic Control light g	un signals
Color		On Ground	In Flight

WIND COMPONENT



CROSSWIND COMPONENT - KNOTS