Piper Archer II Aircraft Familiarization / Initial Transition

1.	Describe the general systems of this aircraft:									
	a.	a. Engine –								
	b.	b. Fuel – Capacity?Usable (per tank)?gals, Usable (to Tabs)?gals								
		i. Position & location of fuel drains to sump								
		ii. Type of fuel permitted?								
		iii. Fuel flow indication								
	C	Oil Type (all weather)?								
	с. d	Electrical system is a visctom and supplied by a v battory								
	u.	Propeller								
	f Heating wontilation -									
	ι. σ	How are the flans operated?								
	5۰ h	What are some electrical accessories in this aircraft?								
	i.	Landing Gear –								
	j.	Brakes -								
		i. Does this aircraft have brakes on the co-pilot side?								
2.	What i	is the manufacturer recommendation for leaning the mixture?								
		ų								
3.	What	is the maximum allowable gross weight for this aircraft?lbs.								
4.	Currer	It basic empty weight and arm for this aircraft is? lbs., inches								
5.	What i	is the Useful Load of this aircraft? lbs								
6.	How m	nuch payload can be carried assuming maximum fuel on board? lbs.								
7.	What i	is the maximum weight permitted in the baggage compartment in normal category?lbs,								
	and w	hat is this value when the aircraft is in the utility category? lbs								
8.	The pr	oper main strut inflation should be inches. The proper nose strut inflation should be								
		inches (assuming aircraft has full fuel, all required oil, and no other loads)								
9.	Upona	an "Alternator Failure" condition, the pilot should:								
	a.									
	b.									
	с.									
	d.									
10.	When	should the electric fuel pump be used?								
	a.	What condition(s) should be avoided when burning fuel from either tank?								
	b.	What is the recommended procedure for using fuel from the tanks?								
	c.	What's the fuel burn at FULL power? at 75% power?								
11.	What	actions should be taken if "Loss of Fuel Flow/Pressure" occurs?								
	a.									
	b.									

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14.	. What causes engine flooding?								
15.	 What is the procedure for starting the aircraft if the engine is FLOODED? 								
16.									
17.	During the "warm RPM. The ' minutes in (up period' 'warm up p cold weath	" the engir period" sh	ne should be at a ould be no longe	minimum r than	of minut	RPM and maximum of tes in warm weather, and		
18.	Is it permissible to	fly this air	craft into	forecast/known i	cing condi	tions?			
19.	Define (verbally) & note the following speeds for this aircraft:								
	V-speed	МДН	KIVZ	V-Speed	МДЦ	KIVZ	1		
	VR		NAS	V-Speed Vx		NIAS	-		
	VGLIDE			Vy			-		
	VNO			Vne			-		
	VFINAL APP (40°)			VLO			-		
	Vso			VA			-		
	VFE			VCRUISE CLIMB			_		
	at is the maximum d at type of stall warni	emonstrate ng indicatic e means' of	d X-wind f on does this leaning th rcraft?	or this aircraft? aircraft have? e mixture?	M	PH	KTS tch which is degree		
Wh Wh Wh Wh Dur	at is a 'more accurat at are the flap settin ing a Short or Soft-Fi	gs of this ai eld takeoff,	the flaps s	hould be lowered			witch bank) is ON?		
Wh Wh Wh Dur Hov	at is a 'more accurat at are the flap settin ing a Short or Soft-Fi v can you determine	gs of this ai eld takeoff, if the pane	the flaps s I light swite	hould be lowered ch (right most rhec	stat on the	e central s			
Wh Wh Wh Dur Hov Wh	at is a 'more accurat at are the flap settin ing a Short or Soft-Fi v can you determine ere is the ELT located	gs of this ail eld takeoff, if the pane	the flaps s I light swite	hould be lowered t ch (right most rhec	ostat on the	e central s			
Wh Wh Wh Dur Hov Wh Can	at is a 'more accurat at are the flap settin ing a Short or Soft-Fi v can you determine ere is the ELT located the ELT be activated	gs of this ai eld takeoff, if the pane ? 	the flaps s I light swite	hould be lowered t ch (right most rhec Yes/No)	ostat on the	e central sy			
Wh Wh Dur Hov Can Wh	at is a 'more accurat at are the flap settin ing a Short or Soft-Fi v can you determine ere is the ELT located the ELT be activated at is the power off st	gs of this air eld takeoff, if the pane d? from the f all speed w	the flaps s I light swite light deck (ith flaps 40	hould be lowered t ch (right most rhec Yes/No) °, maximum gross	weight, ge	ar down, a	and a 40° angle of bank?		
Wh Wh Dur Hov Wh Can Wh Wh	at is a 'more accurat at are the flap settin, ing a Short or Soft-Fi v can you determine ere is the ELT located the ELT be activated at is the power off st at are the first four s	gs of this air eld takeoff, if the pane ? ? I from the f rall speed w teps in the	the flaps s I light swite light deck (ith flaps 40 emergency	hould be lowered to th (right most rheo Yes/No) I°, maximum gross	weight, ge	ar down, a	and a 40° angle of bank?		
Wh Wh Wh Dur Hov Wh Can Wh Can Wh a	at is a 'more accurat at are the flap settin, ing a Short or Soft-Fi v can you determine ere is the ELT located the ELT be activated at is the power off st at are the first four s	gs of this air eld takeoff, if the pane 	the flaps s I light swite light deck (ith flaps 40 emergency	hould be lowered to ch (right most rheo Yes/No) P°, maximum gross procedure for an i c	weight, ge	ar down, a	and a 40° angle of bank?		
Wh Wh Wh Dur Hov Wh Can Wh a Wh	at is a 'more accurat at are the flap settin, ing a Short or Soft-Fi v can you determine ere is the ELT located the ELT be activated at is the power off st at are the first four s	gs of this air eld takeoff, if the pane 	the flaps s I light swite light deck (ith flaps 40 emergency sure at 200	hould be lowered to ch (right most rheo Yes/No) I°, maximum gross procedure for an i c 0 RPM	weight, ge	ar down, a gine fire?	and a 40° angle of bank?		

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33. Does this aircraft have an alternator or generator?
34. What's the advantage of having the above?
35. When stopping the engine, the should be fully aft to
36. What is the approximate ground roll distance under the following conditions: Landing weight: 2500lbs, Obstacle: 0 ft., Flaps: 40°, Power: Idle, Temp: 75° F, Pressure Alt: Sea Level, headwind: 0 kts ?ft.
37. What is the ground roll distance under the above conditions if there is a headwind of 10 kts? ft.
38. What is the no-wind power-off glide range at a pressure altitude of 3500ft and standard temperature? nm
39. The approximate fuel flow at 75% best power is? gph. And at 75% best economy it is? gph
40. What assumption(s) are made by the manufacturer to yield the above?
41. What is the approximate landing distance (over a 50' obstacle) under the following conditions: Landing weight: 2500lbs, Flaps: 40°, Power: Off, Temperature: +35° C, Pressure Altitude: 1,000 ft.; Max braking?ft
42. What is the Best Glide Configuration of this aircraft at 2550lbs? Gear:, Flaps:, Airspeed:
43. At gross weight, climbing at full throttle at Vy, assuming an ambient temperature of +21° C, it will take gals of fuel, minutes, and distance of nm to climb from sea level to 6000ft
44. While at sea level, gross weight, full power, and OAT is 90° F, you can expect a climb rate of approx ft/min
45. While at sea level and OAT is 15° C, if you are at gross weight, and there is no wind, what is the approximate landing roll over a 50ft obstacle, assuming no wind? ft
46. Using the previous scenario, how much would your landing be if you had a 5kt headwind? ft
47. When configuring the aircraft for landing, should carburetor heat be used? (Yes/No)
48. In reference to the above, why/why not?
49 During the pre-takeoff engine run-up, the power should be set to RPM. As each magneto is individually

selected, the maximum allowable drop is ______ RPM. The difference between the left and right magneto RPM drop must not exceed ______ RPM.

50. May the pilot initiate takeoff if these values are slightly exceeded? (Yes/No) ______