SHS Aviation: Unit 2 Airplane Dynamic Controls - Part IV		Name:
to be si to set	ions: Pair up with your "stick buddy" and set up the compare the settings are properly situated with the trim, throttle up each Scenario and answer the questions as specifical the picture I provided.	, flaps, roll, yaw and pitch. Work together
	Runway Heading:	
1.	Set up at Waterbury Oxford (KOXC) on the runway. (feet above sea level.	Either direction is okay) Airport is 726
2.	Check your instruments. What is your heading indicator to the same as the runway number you are lined up facing.	read? this should be
3.	Keep your brakes on	
	• Lower flaps	
	• Power full	
	Release brakes	
4.	Navigate down the runway straight, watch your airspeed! ahead and climb at $500 - 1000$ feet per minute maintainin now pause the simulation and determine the "crosswind let the simulation and maintain this heading until you are at 100 minutes."	g runway heading. Lower Flaps at 1000 ft. eg", write it down below. Now un-pause 1700 feet and reduce rpm's to 1800.
	Crosswind Leg:degrees	
5.	Now begin your crosswind leg by left banking the airpland degrees from your original heading. This new heading is match the number above) Pause the simulation and note the space below. Remain on this leg for 30 seconds.	(this should
	Downwind Leg:degrees	
6.	After 30 seconds on the crosswind leg begin another 90-degrees to the left until you are flying 180 degrees opposidownwind leg. What is your heading?	te your original heading. This is your
7.	Look out your left window and you should be able to see	he runway. Maintain 1700 feet.
8.	Continue to fly the downwind leg until you are halfway do to 1200 rpm's and allow to your airspeed to slow down up one notch of flaps. Try to maintain altitude so the plane we past the runway, pause the simulation. While paused determined by and write this in the space below.	ntil your speed hits the white arc then lower will begin to slow down. When you are 45 <sup>0</sup>

	Base Leg:		
9.	. Un-pause the simulation, and begin a 30 <sup>0</sup> left bank (turn) and make descending left turn to enter your base leg. Descend at about a rate of 500 ft/min but you will need to adjust this if necessary. Keep your airspeed less than 80 kts but greater than 65 kts by adjusting the throttle.		
10	0. Put in your second notch of flaps.		
11	. Your heading on the base leg is		
12	. Continue to descend until you are 45 <sup>0</sup> away from the runway. Pause the simulation, while paused determine what compass heading the "Final leg" should be and write this in the space below.		
	Final Leg:		
13	. Now that you are on the base leg and $45^0$ degrees from the final leg, begin a slow descending left turn (bank) of $30^0$ degrees to enter the final leg. Stop turning when lined up with the runway.		
14	. Continue to descend but watch your speed, don't let it drop below 65 kts (adjust the throttle if needed) add the last notch of flaps and add power if needed if your sink rate(descent) is too high.		
	Landing:		
15	15. Your aim is to land after the Threshold (the white strips across the beginning of the runway)		
16	16. Shut of all power (throttle) once you cross the edge of the runway.		
17	17. Glide till you are just above the runway 20 feet		
<ul><li>18. Level the plane off and let it settle on the runway</li><li>19. Slowly and gently, use the hand brake to bring the plane to a stop</li></ul>			
			20
REPE	AT:		
	eck mark how many times you complete these 20 steps successfully. You will be tested on your ability to aplete all steps successfully.		
1	2 3 4 5 6 7		
8	9 10 11 12 13 14		
	nature that you completed this successfully at least 5 times:		
	kpit.		