

Takeoff and Landing Procedure Final Exam:

Directions: Pair up with your "stick buddy" and set up the computer with "Prepar3D".

Check to be sure the settings are properly situated with the trim, throttle, flaps, roll, yaw and pitch.

Work together! The Copilot should be reading the below information and the pilot should follow copilots directions exactly. Points awarded are based on satisfactorily following directions listed below.

1. Setup on runway 36 at Waterbury Oxford (KOXC). Airport is 726 feet above sea level. _____(5pts)
2. Complete cockpit preflight,
 - * Lower flaps
 - * Brakes Set
 - * Full Power
 - * Trim Tab neutral
 - * Directional heading and compass set _____(5pts)
3. Release brakes. Navigate straight down the runway until you reach 60 kts, add back pressure to the yoke/joystick and takeoff of the runway. _____(5pts)
4. Climb at 500-1000 feet per minute while maintaining runway heading. Raise flaps at 1200 feet, level off at 1700 feet and reduce engine speed to 1800 rpm. _____(10pts)
5. Turn to heading 270 (West)(crosswind leg) with a soft bank no greater than 30 degrees and maintain that heading for 30 seconds. Trim the airplane for straight and level flight. _____(10pts)
6. Turn to heading 180 (South) (downwind leg) with a soft bank no greater than 30 degrees and maintain that heading and the 1700 feet altitude for approximately 60 seconds. _____(10pts)
7. Check to see if the runway is out your left window. Check several times while on this leg of flight. When you see the end of the runway outside your left window, power down to 1200 rpm's. Maintain altitude till airspeed is in the "white arc". _____(10pts)



8. Lower flaps one notch and begin gradual left descending turn (no more than 30 degree bank and at 500 foot per minute descent) to a heading of 090 degrees (East). Keep airspeed at or slightly above 60 kts, on this base leg of 090 degrees. _____(15pts)

9. Turn left descending turn (no more than 30 degree bank and at 500 foot per minute descent) onto your final leg of 360 degrees. Line up with the runway, maintain runway heading, lower your last notch of flaps, maintain airspeed at 60 kts. Level off at the end of the runway, just above the runway. Power off. _____(15pts)

10. Float down the runway without any power and slight back pressure on the yoke, touchdown in the runway center and come to a slow stop. SUCCESS !!!! _____(15pts)

_____(100)

Practice this over and over, as you have done in the past. I will be looking at each aspect during your final flight to determine your overall grade on this final.

Mr. G