

GPS / Autopilot Practical Exercise #1

Name _____

Date _____

Instructions: Complete each exercise. Write your answer to any of the questions on the page. Use the reverse side, if necessary.

1. Set 5 Altimeters in the Cockpit during the after-start check.
2. Listen to the ATIS or ASOS on the cockpit speaker.
3. Load the NDB Approach for SLE, with Vectors to Final.
3. Load the NDB 22 Approach for MMV with Vectors to Final.
4. Acquire an OBS course to the UBG VOR with an inbound course of 003 degrees.
5. What is your distance and bearing to the 3rd nearest VOR?
6. What is the length of the runway of the third nearest airport?
7. Setup the GPS for the VOR approach into MMV with the VOR set in the SL-30 as a backup.
8. Transition from shooting the GPS VOR Overlay approach into MMV after receiving a RAIM error message to shooting the VOR approach without the GPS.
9. You are maintaining 4000 when you are cleared for the approach to maintain 3000 until established. How do you set the autopilot to start the descent? You must descend at 700 FPM to make the altitude.
10. You are maintaining 3000 in Altitude-hold mode. You want to begin a descent to maintain 2600. Your trim wheel starts running away. How do you disengage the autopilot?
11. You are flying the NDB/GPS approach to RWY 31 at SLE. You begin your missed approach. What is the procedure for sequencing the GPS to the MAP?
12. You select the GPS Hold button to sequence you to the MAP after shooting the NDB/GPS approach to SLE. While enroute to TURNO, you get a RAIM message. How can you navigate to TURNO? How will you enter the hold?
13. How do you know that the RAIM warning is no longer valid after receiving one and clearing the error?
14. With the SL30, select a VOR and show distance data.

15. With the SL30, show the radial you are on.
16. Now, re-acquire the distance data after seeing what radial you are on.
17. Acquire and remove the ILS Feather indicator on the MX20.
18. How do you know that you have a RAIM error?
19. How do you know when the RAIM error has been cleared, and no longer exists?
20. Change the MX20 from Track Up Arc to Track Up 360.
21. Change back to track Up Arc.
22. Change MX20 to the IFR page and clear the High-Altitude Airways.
23. Zoom the MX20 into the 10 Mile scale.
24. Completely set up all the radios to shoot the LOC BC 13 SLE.
25. Set the GX50 up to support you when you shoot the LOC BC 13 SLE.