

Remos GX Pre-solo Written Exam

Name: _____ Date: _____

Answer the following questions in the space provided, using the FARs, AIM, AFD, and POH. If you reference one of these sources for an answer, be sure to note it for your future reference.

1. What type of engine does the Remos have? _____
2. What is the engine horsepower? _____
3. How many gallons of total/useful fuel does the Remos hold? _____
4. What type and grade of fuel is used the Remos? _____
5. How many tanks does the Remos have? _____
6. Why is it necessary to drain fuel from the fuel sumps? When/where should this be done?

7. What type of oil should be used in this engine? _____
8. How do you check the oil level in the Remos? What is the min/max allowable for flight? _____

9. What type of coolant is in the Remos? _____
10. During a magneto check, what is the max RPM drop and max difference? _____

11. Describe the purpose and the reason why we check the 3 Quick Fasteners along with their respective locking pins during preflight. _____

12. Please define in your own words and list the speed for each of the following in the Remos:
 - a. Vr _____
 - b. Vx _____
 - c. Vy _____
 - d. Vg _____
 - e. Vne _____
 - f. Vno _____
 - g. Va _____
 - h. Vfe _____
 - i. Vs1 _____
 - j. Vso _____
13. What is the maximum demonstrated crosswind component for the Remos? _____
14. What is the service ceiling of the Remos? _____
15. What is the distance to clear a 50 foot obstacle on a standard day? _____

16. What is the landing distance over when landing over a 50 foot obstacle on a standard day?

17. Please describe the loss of engine procedures for the Remos. _____

18. What is the maximum gross weight of the Remos? _____
19. What is the empty weight of the Remos? _____
20. What is the useful load of the Remos? _____
21. With full fuel, how much weight can you carry in Remos? _____
22. Describe the electrical system on the Remos: _____

23. How do you know if you've had an alternator failure? _____
24. What is the squawk code for radio failure? _____
25. Name the light gun signals. _____

26. What preflight actions are required before a flight not in the vicinity of an airport? Before any flight? _____

27. List the minimum equipment and instruments that must be working properly in your aircraft for flight. _____

28. How many hours are required between consuming alcohol and flying? What is the maximum blood alcohol content to legally operate an aircraft? _____
29. What altitude should you fly when operating in level cruising flight at more than 3,000 feet agl? _____
30. Will the engine run with the master switch turned off? Why? _____

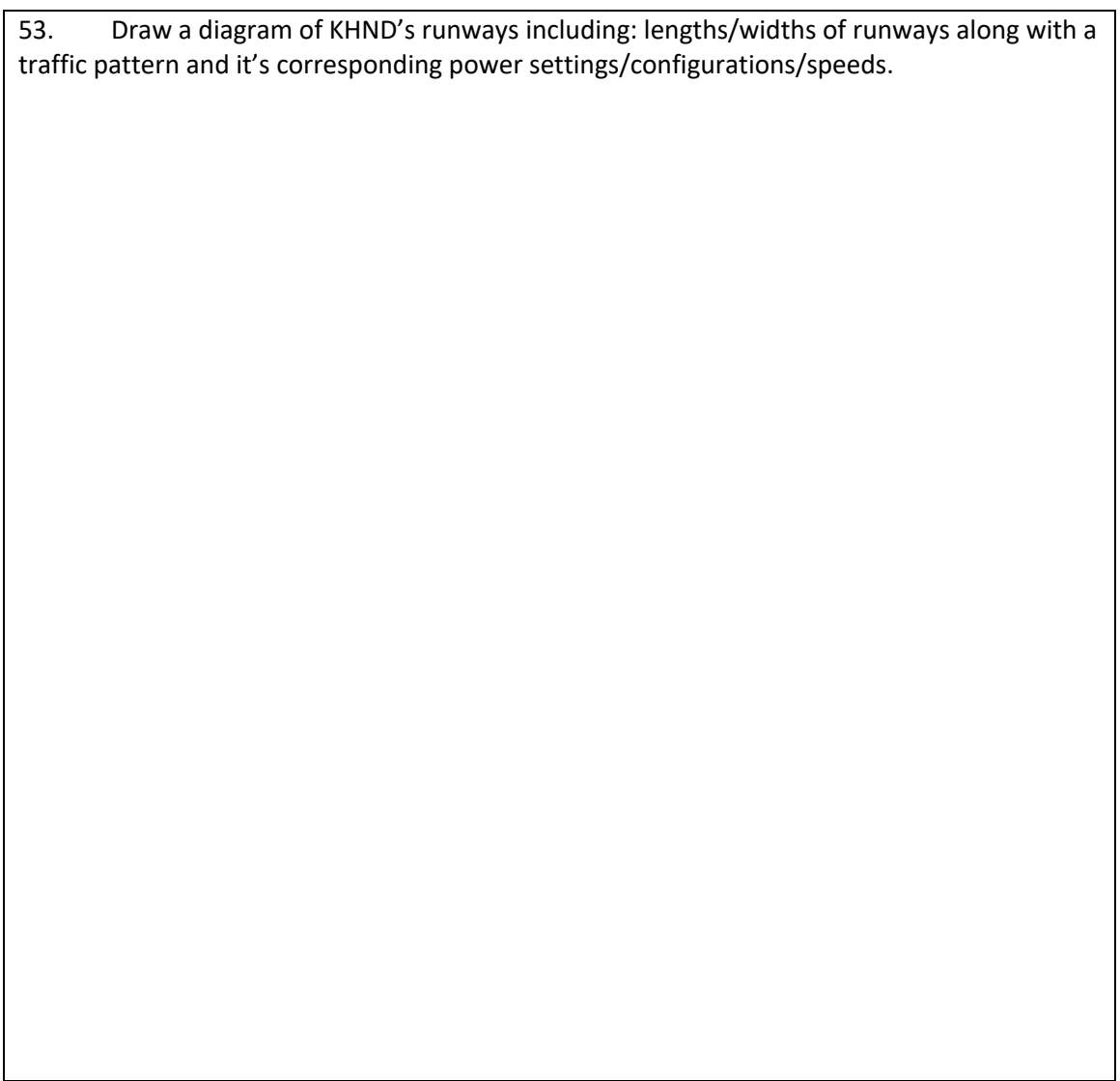
31. What is the maximum allowable flap setting for takeoff in the Remos? _____
32. What documents and endorsements are you required having in your possession to legally operate the airplane as a student pilot? _____

33. Do you need your logbook in your possession when you fly solo as a student pilot? Why/Why not? _____
34. Which turn direction is standard for a traffic pattern? What is traffic pattern altitude at KHND & Jean, NV? _____
35. How do you enter and exit the traffic pattern at an uncontrolled airport? _____
36. List the following frequencies at KHND and 0L7:
- a. ATIS
 - b. Ground
 - c. Clearance
 - d. Tower
 - e. CTAF
37. Describe, "Wake turbulence". In which type of aircraft and in which configuration is this most prominent? What is proper procedure to avoid wake turbulence? _____

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38. When are you required to wear a safety belt? Shoulder harness? _____
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39. What type of harness does the Remos have? _____
40. What is the minimum altitude you can fly anywhere? Over congested areas? Over other than congested areas? Over sparsely populated areas or open water? _____
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41. List the documents that must be aboard the aircraft at all times. _____
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42. Who has the final authority and responsibility for the operation of the aircraft when you are flying solo? _____
43. Can you operate in Class B airspace as a student Pilot? _____
44. What is the minimum fuel requirement for VFR day conditions? _____
45. If the altimeter setting is not available at an airport, what setting should you use before departing on a local flight? _____
46. What are the limitations of a student pilot, as stated in Part 61.89 of the Federal Aviation Regulations? _____
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47. What must you do before practicing maneuvers? _____
48. When practicing Steep Turns, Stalls, and Slow Flight, the entry altitude must allow a recovery to be completed no lower than _____ feet agl.
49. When two aircraft of the same category are converging head-on, which way do you turn to avoid the other aircraft? _____
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50. Give three situations that would necessitate a go-around. List the procedure for a go-around _____
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51. What is the procedure for making a change in flight attitude? I.E., leveling off to cruise, climbing, descending, etc? _____
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52. Weight and Balance Scenario (Show your work for the instructor to review):
- a. Pilot: 260 pounds
 - b. Passenger: 250 pounds
 - c. Baggage (Shelf): 25 pounds
 - d. Baggage (Shute): 50 pounds
 - e. Tanks: Full Fuel

- f. Overweight: Yes or No
- g. Inside CG Limits: Yes or No
- h. Safe to fly: Yes or No
- i. If not what can be done: _____

53. Draw a diagram of KHND's runways including: lengths/widths of runways along with a traffic pattern and it's corresponding power settings/configurations/speeds.



Instructor Print and Sign _____

Student Print and Sign _____

Date of Review/Logbook Endorsement _____