1. In order for this flight to go on as planned, what endorsements are necessary for the pilot to possess?
    a. High performance endorsement
    b. Complex endorsement
    c. High Altitude endorsement
    d. A & B
2. What inspections are required on the aircraft in order for the flights to be completed?
    a. Annual inspection
    b. Pitot static inspection
    c. Transponder inspection
    d. 100 hour inspection
3. Reviewing your qualifications, are you current to take off from KROA as planned?
    a. No, you need more landings
    b. No, you need a biennial flight review
    c. No you need a new medical certificate
    d. Yes, you are current to make this flight as planned
4. Regardless to your answers to questions 1-3, you elect to make the flight as planned. You start your engine at KROA at 3pm local time. What is your takeoff weight?
    a. 2,813 lbs
    b. 2,711 lbs
    c. 2,801 lbs
    d. 2,699 lbs
5. Looking at your flight planning from leg 1, and deciding you will cruise leg 1 at 8,500 feet, what time should you tell Phillip you will be touching down in KLWB?
    a. 2:22pm
    b. 1922Z
    c. 3:18pm
    d. 3:25pm
6. Looking at KLWB, you notice “tick marks” around the airport symbol on the sectional. What can you infer about the airport solely from these marks?
    a. Services available Monday through Friday 8am-5pm
    b. Services available Monday through Friday 10am-4pm
    c. Mechanical services will be available at the airport
    d. The airport has special air traffic rules, see part 93
7. What is your Magnetic Heading in Cruise on leg 1?
    a. 328˚
    b. 326˚
    c. 336˚
    d. 331˚

8. How many gallons of fuel will be left in your tanks once you touch down in KLWB?
    a. 5.7 gallons
    b. 7.7 gallons
    c. 53.34 gallons
    d. 68.30 gallons
9. What is your landing ground roll into KLWB?
    a. 834 feet
    b. 850 feet
    c. 866 feet
    d. 802 feet
10. Not wanting to waste any time, you pick up Phillip throw his bag in the baggage compartment, do a quick walk around, and fire the engine up. You only spent ten minutes with the engine shut down. Not liking the ride at 8,500 feet, you decide to give 6,500 feet a try. What time do you let Josh know you'll be at KBKW?
    a. 3:51pm
    b. 3:41pm
    c. 3:45pm
    d. 20:57Z
11. What is your takeoff distance out of KLWB?
    a. 1165 feet
    b. 2343 feet
    c. 2299 feet
    d. 1189 feet
12. What kind of weather can you expect at KBKW at your time of arrival?
    a. Broken clouds at 9000 feet light winds out of the northwest
    b. Scattered clouds at 1,500 feet winds out of the west
    c. Calm winds and broken clouds at 8000 feet
    d. High cirrus clouds well well above you and calm winds
13. Phillip randomly asks you if you are allowed to perform maintenance on your own airplane. You explain preventative maintenance to him and give him a few examples of what that is. Which of the following would not be acceptable as preventative maintenance?
    a. Removal and repair of landing gear tires
    b. Replacing safety belts
    c. Replacing front windows
    d. Replenishing hydraulic fluid in the hydraulic reservoir

14. At that exact moment you see a glider at your 12 o' clock heading in the opposite direction as yourself. Who has the right of way?
    a. The glider does, so you should alter your course to the right
    b. The glider does, therefore he doesn't have to alter course
    c. You do, but you should alter your course to the right
    d. Neither, you both need to alter your course to the right
15. After that near miss, Phillip is asking you about your VOR receiver although you've been going all day GPS direct you wonder how far out you would be able to receive the BKW VOR. How far can you?
    a. 40NM
    b. 25NM
    c. 100NM
    d. None of the above
16. What is your landing ground roll into KBKW?
    a. 844 feet
    b. 835 feet
    c. 762 feet
    d. 1400 feet
17. You again spend 10 minutes with the engine off in BKW to load up Josh and his bag do another walk around and start up the engine. What is your ramp weight and CG out of BKW?
    a. 3,176 lbs, 42.96"
    b. 3,136 lbs, 42.94"
    c. 2,981.5 lbs, 41.5"
    d. 3,124 lbs, 42.92"
18. Wanting to give the guys a good view of the area, you decide to cruise over to KMKJ at 10,500 feet. Also due to the mountainous terrain you will descend in a circle over the airport on leg 3, and climb in a circle over the airport on leg 4. What is your groundspeed in climb on leg 3?
    a. 95 kts
    b. 88 kts
    c. 97 kts
    d. 105 kts

19. Since you're worried about mountainous terrain especially on this leg, you start to wonder about Maximum elevation figures (MEFs). How would an MEF be calculated, assuming the highest obstacle was man made?
    a. Take the height of the obstacle, add 300 feet, then round up to next 100th foot height
    b. Take the height of the obstacle, add 100 feet, then round up to the next 100th foot height
    c. Take the height of the obstacle, add 1000 feet, then round up to the next 100th foot height
    d. Take the height of the obstacle then round up to the next 100th foot height
20. How much distance will be spent in cruise on this leg?
    a. 43.9 nm
    b. 54.5 nm
    c. 24.6 nm
    d. 26.3 nm
21. As you pass over the Mercer CO airport, what are your VFR weather minimums?
    a. 3sm visibility, 500' below, 1000' above, 2000' horizontal
    b. 1sm visibility, 500' below, 1000' above, 2000' horizontal
    c. 1sm visibility, clear of clouds
    d. 5sm visibility, 1000' below, 1000' above, 1sm horizontal
22. How far out should you be able to receive the KMKJ weather?
    a. 60 nm
    b. 65 nm
    c. 25 nm
    d. 15 nm
23. How much fuel have you burned on leg 3 at your top of descent point?
    a. 10 gallons
    b. 8 gallons
    c. 6 gallons
    d. 12 gallons
24. What do you need to pay extra attention to when landing at KMKJ?
    a. Higher than normal glide angle
    b. Down sloping runway
    c. Up sloping runway
    d. A & C
25. What is your landing weight into KMKJ?
    a. 3,175 lbs
    b. 3,108 lbs
    c. 3,071 lbs
    d. 3,028 lbs

26. 100LL at Mountain Empire at 4.51 per gallon. Looking at the weather and wanting to give the guys a good view again, you decide to go at 11,500 feet back to KROA. How much do you pay to top off the tanks?
    a. $116.81
    b. $89.57
    c. $69.65
    d. $137.50
27. You decide to turn over the engine at exactly 5pm to get home in time. What is your takeoff weight and CG out of KMKJ?
    a. 3,263 lbs and 43.09”
    b. 2,207 lbs and 42.84”
    c. 2,195 lbs and 42.80”
    d. 3,251 lbs and 43.05”
28. What is your takeoff distance out of KMKJ?
    a. 1,125 feet
    b. 2,390 feet
    c. 2,224 feet
    d. 2,460 feet
29. What is your groundspeed in cruise?
    a. 144 kts
    b. 147.5 kts
    c. 149 kts
    d. 158.5 kts
30. How much time will be spent in cruise?
    a. 16.5 min
    b. 17.5 min
    c. 11.6 min
    d. 12.3 min
31. Cruising along you notice you pass over VR1726. What can you infer about this MTR?
    a. Some segments could be above 1,500’ AGL
    b. Some segments could be above 1000’ AGL
    c. All segments are below 1,500’ AGL
    d. All segments are below 1,000’ AGL
32. At what point on your sectional will you begin your descent into KROA?
    a. Over KBCB airport
    b. Over the city of Fairlawn
    c. Over a dotted line noting the magnetic variation
    d. Over a 3,010 foot hill

33. As you descend into the traffic pattern at KROA, you hear the ATIS and plan you approach. Which runway will you land on?
    a. 6
    b. 16
    c. 24
    d. 6 and 16 have the same amount of head wind, so neither has an advantage
34. As you go to select your first notch of flaps and notice the flaps won't extend. Regardless of this small problem, you still elect to land on the same runway you planned. What is your landing distance into KROA?
    a. 874 feet
    b. 1,401 feet
    c. 1,527 feet
    d. 1,612 feet
35. What is your landing weight into KROA?
    a. 3,263 lbs
    b. 3,205 lbs
    c. 3,192 lbs
    d. 3,037 lbs
36. What time will you land in KROA local time?
    a. 5:38pm
    b. 5:35pm
    c. 5:30pm
    d. 5:27pm
37. Wanting to get the flaps looked at, you taxi the plane back to the FBO. What maintenance services are available at KROA?
    a. Minor Airframe, Minor Powerplant
    b. Major Airframe, Minor Powerplant
    c. Major Airframe, Major Powerplant
    d. Minor Airframe, Major Powerplant
38. Looking at your hobbs meter, how much time will you be able log in your logbook?
    a. 1.7 hours
    b. 1.9 hours
    c. 2.1 hours
    d. 2.3 hours
39. How much fuel did you burn over the entire day?
    a. 37.8 gallons
    b. 35.4 gallons
    c. 32.1 gallons
    d. 29.8 gallons

40. What did you do wrong on this flight?

i. Flew passengers without being current
ii. Exceeded weight and balance limitations
iii. Ran into a mountain
iv. Flew an unairworthy aircraft

a. i only
b. ii and iv
c. i, and iii
d. i, ii and iv