Biannual Flight Review Worksheet

Name _______________________________ Date___________________

Grade of Certificate____________________ Certificate No.____________

Ratings and Limitations________________________________________

Class of Medical______________________ Date of Medical__________

Equipment:
You will need a current San Francisco Sectional Chart, Airport Facility Directory, FAR/AIM, Flight Computer and Plotter, and the pilot's operating handbook.

1. FAR PART 61

61.3 Is it legal to act as pilot in command of an aircraft without your pilot certificate in your personal possession? _________________

61.23 Your medical expires on ___________________.

61.57 What are the currency requirements to act as PIC of an aircraft carrying passengers? during the day ____________________________________________
at night _____________________________________________________
tailwheel _____________________________________________________

61.60 If you have changed your permanent mailing address, you must notify the FAA in writing within _______ days before you can exercise the privileges of your airman certificate.

2. FAR PART 91

91.7 Who is responsible for determining whether an aircraft requires maintenance before flight? _________________

91.9/91.203 List the required documents that must be in the aircraft at all times.
______________________________________________________________
______________________________________________________________

91.17 No person may act as a crewmember of a civil aircraft within _______ hours after consumption of any alcohol or while having a blood alcohol content of _______________.

91.103 The pilot in command shall become familiar with "all available information" for a proposed flight. This information must include:
For a flight not within vicinity of airport

For any flight

91.107 When do the passengers have to wear seat belts? _________________

91.113 When overtaking a slower aircraft, the faster aircraft shall pass on the _______________ side.

91.117 Unless otherwise authorized, no person may operate an aircraft below 10,000 feet MSL at an indicated airspeed of more than _______ knots.

91.119 Except as necessary for takeoff and landing, an aircraft may not operate over a congested area closer than _______ feet above the highest obstacle within a _______ foot radius.

91.123 When ATC issues a clearance, no pilot in command may deviate from this clearance, unless that pilot obtains an ____________ clearance. The one exception to this regulation is in an _______________.

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91.125 If you fly into a towered airport without an operating radio, the tower will clear you to land with a __________ light gun signal.

91.151 What are the daytime VFR fuel requirements? ________________________ Night VFR?

91.159 You are flying west over the Nevada great basin where the ground elevation is approximately 4,500 feet above sea level. What is the lowest VFR cruising altitude that applies? ________________________

91.207 What inspections and maintenance are required for the ELT? ____________
____________________________________________________________________
____________________________________________________________________

91.209 Position lights are required when operating an aircraft during the period from ____________ to ____________

91.211 The pilot in command must use supplemental oxygen when flying at a cabin pressure altitude between ____________ and ____________ feet MSL for more than ____________ minutes.

91.213 Is it legal to fly an airplane with a malfunctioning flap position indicator?

91.409 What inspections are required for the aircraft you are using for your BFR?
__________________________________________________________________

3. AIM

4-3-3 Is it legal to make a straight-in approach to an uncontrolled airport? __________

4-3-18 If instructed by the tower to "taxi to" the active runway, can you taxi across other runways as necessary? __________

7-3-6 You are taking off approximately 30 seconds behind a departing business jet. How should you fly your departure (with respect to the jet's flightpath)? ____________

8-1-4 How can carbon monoxide enter the cockpit? ____________
__________________________________________________________________

8-1-4 What are some symptoms of carbon monoxide poisoning? ____________
__________________________________________________________________

4. AIRSPACE AND AERONAUTICAL CHARTS

Before flying into Class B airspace, what communication requirement must be met?

What is the altitude of the floor of the Class B airspace over Hayward airport? __________

If you are flying 1500' MSL over Los Banos Airport, you are in Class _____ airspace.
What is the minimum flight visibility in this airspace? ____________

What are the day cloud clearance requirements?
____________________________________________________________________

If you are flying 1500' MSL over Harris Ranch Airport, you are in Class _____ airspace.
What is the minimum flight visibility in this airspace? ____________

What are the day cloud clearance requirements?
____________________________________________________________________

If you are flying over Nervino Airport (39 deg 49'N, 120 deg 21'W) at 8500' MSL, you are in Class _____ airspace.
What is the minimum flight visibility in this airspace? ____________

What are the day cloud clearance requirements?
____________________________________________________________________

In order to make a VFR flight into the Class _____ airspace around the Monterey airport, you must have a minimum ceiling of _____ feet and _____ miles visibility.
What are the cloud clearance and visibility requirements for Class G airspace at night?
A transponder is required to fly into Livermore, but is not required at Salinas. Why?

It's a hazy October day in the Central Valley with 2 miles visibility. Can you fly VFR:
From Gustine to Turlock? ______ If yes, how? ______________________________________
From Gustine to Merced? ______ If yes, how? ______________________________________
There is an overcast layer over the Watsonville Airport at 1,100 feet MSL. What is the highest legal
traffic pattern altitude? ___________________________________________________________
What kinds of hazards are present in the China MOA east of Chico?

______________________________________________________________

What are the altitudes of use for this MOA? ______________________________________
You are over Oakdale (37 deg 45'N, 120 deg 48'W) on a day cross-country flight from Watsonville to
Columbia. Assuming you have a radio reception range of 40 miles, name three different options to
contact Rancho Murietta Flight Service Station (FSS) to give a position report.

<table>
<thead>
<tr>
<th>Option</th>
<th>Frequency to Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>RCO</td>
</tr>
<tr>
<td>2.</td>
<td>RCO</td>
</tr>
<tr>
<td>3.</td>
<td>VOR</td>
</tr>
</tbody>
</table>

When the tower closes at San Jose International, you self-announce to San Jose traffic on the CTAF
frequency of __________________________.

5. AIRPORT FACILITY DIRECTORY

When the tower closes at San Jose International, the airspace surrounding the airport becomes Class
__________.

What is the length of the displaced threshold on Runway 36 at South Lake Tahoe?

How wide is runway 31 at Castle? _______ Runway 31 is a _______ traffic pattern.

Who would you contact to obtain VFR flight following on a departure out of Los Banos?
__________________________________ What is the frequency? ______________________

In addition to the frequencies shown on the sectional charts, all Flight Service Stations monitor
__________ and ____________.

6. AERODYNAMICS

In a skidding turn to the left, the _________ rudder pedal is being pressed too hard. The ball (and
your body) will tend to sway to the inside/outside (circle one) of the turn.
(True or False) - During a 60 degree banked turn, an airplane which normally stalls at 50 mph will
stall at approximately 70 mph. ______________

At slow airspeeds, which is more dangerous, a slip or skid? ________________
In the airplane that you are using for your BFR, the maneuvering speed is _______.

When would you use maneuvering speed? _____________________________

What is the spin recovery technique for the airplane used for your BFR? ____________________

7. AIRPLANE SYSTEMS

How would you clear a flooded engine for starting? _________________________________

What are the indications of carburetor ice? ________________________________
When should carburetor heat be used? ________________________________________

How many fuel sumps does your airplane have? _______ Where are they located?

What is the minimum oil temperature for takeoff? __________ What is the maximum oil temperature?
__________ What is the minimum oil pressure at cruise? __________
8. **AIRCRAFT PERFORMANCE**

List the applicable V-speeds for your airplane: knots/mph (circle one)

- Vso Stall speed (dirty) ________________
- Vs1 Stall speed (clean) ________________
- Vx Best angle of climb ________________
- Vy Best rate of climb ________________
- Vl/d Best glide speed ________________
- Vfe Max flap extension speed ___________
- Vle Max landing gear speed ____________
- Va Maneuvering speed ________________
- Vno Max structural cruise speed _________
- Vne Never exceed speed ________________

You are at Truckee-Tahoe airport. The altimeter setting is at 29.84 and the temperature is 95 F. Please answer the following questions for your airplane.

What is the density altitude? ________________
What is the takeoff distance over a 50' obstacle? _____________
What is the best rate of climb? ________ At what airspeed? ________

List some strategies that you can use to make a safe departure out of Truckee-Tahoe.
_________________________________________________________________________________
_________________________________________________________________________________
_________________________________________________________________________________

What is the maximum demonstrated crosswind component for your airplane? ________________
What is the approximate fuel burn for your airplane at cruise? ________________
What is the approximate cruise airspeed? ______ How much usable fuel? ________________

Assuming the winds aloft are 330 at 20 knots, compute the following for a flight to Harris Ranch.

- Magnetic heading ________________
- Ground speed ________________
- Time enroute ________________
- Fuel burn ________________

9. **WEIGHT AND BALANCE**

Complete a weight and balance calculation for your airplane with the following information:

- Pilot weight = 170 lbs., passengers filling all seats = 170 lbs/each, baggage per person = 10 lbs.
- Note: fuel weighs 6.0 lbs/gal, oil = 1.87 lbs/qt.

<table>
<thead>
<tr>
<th>WEIGHT (lbs)</th>
<th>ARM (in)</th>
<th>MOMENT/1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airplane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pilot</td>
<td></td>
<td></td>
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<tr>
<td>Front Passenger</td>
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<tr>
<td>Rear Passengers</td>
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<tr>
<td>Baggage</td>
<td></td>
<td></td>
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<tr>
<td>Oil (full capacity)</td>
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<td></td>
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<tr>
<td>Fuel (full tanks)</td>
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<tr>
<td>TOTALS</td>
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</table>

CG = TOTAL MOMENT/TOTAL WEIGHT

Does your load fall within the weight and balance envelope? ________________

How much fuel can be carried? ________________

What effect does a rearward CG have on flight characteristics? ________________

What effect does a forward CG have on flight characteristics? ________________