



## 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 \_\_\_\_\_.

- 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.

	Option	Frequency to Use
1.	_____ RCO	_____
2.	_____ RCO	_____
3.	_____ VOR	_____

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)

- V<sub>so</sub> Stall speed (dirty) \_\_\_\_\_
- V<sub>s1</sub> Stall speed (clean) \_\_\_\_\_
- V<sub>x</sub> Best angle of climb \_\_\_\_\_
- V<sub>y</sub> Best rate of climb \_\_\_\_\_
- V<sub>l/d</sub> Best glide speed \_\_\_\_\_
- V<sub>fe</sub> Max flap extension speed \_\_\_\_\_
- V<sub>le</sub> Max landing gear speed \_\_\_\_\_
- V<sub>a</sub> Maneuvering speed \_\_\_\_\_
- V<sub>no</sub> Max structural cruise speed \_\_\_\_\_
- V<sub>ne</sub> 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.

	WEIGHT (lbs) X	ARM (in) =	MOMENT/1000
Airplane			
Pilot			
Front Passenger			
Rear Passengers			
Baggage			
Oil (full capacity)			
Fuel (full tanks)			
TOTALS			

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? \_\_\_\_\_