

Western States Fly-In Exercise June 6, 2026 **ANSWERS**

The objective of this exercise is to increase our fluency with the assortment of ways in which waypoints can be specified. These include street addresses and intersections, VOR radials, and the multiple possibilities for LAT/LONG: DD°MM'SS", DD°MM.mm, and DD.dd. This is intended to be a learning experience, not a test. For that reason, we're distributing the exercise in advance of the fly-in to allow everyone plenty of time to prepare and study. If you're using ForeFlight, the Tips and Help on page 4 may be useful.

Some General Rules:

- Minimum altitude for the message drop is 100 feet AGL (165 MSL)
- All targets must be photographed. Not Life Magazine or National Geographic quality, just a simple photo to prove you were there or if there are questions regarding the target(s). Photos will also be useful for targets where features on the ground must be counted.
- Safety is paramount. If you have any concerns or safety issues with target(s) please skip it or terminate the exercise and return to LVK.

1. Fly to New Jerusalem Airport (1Q4) for message drop and spot landing.

Instructions and procedures for performing the spot landing and message drop will be discussed in the flight briefing.

2. Fly to and locate the recreational facility at MOD R274 DME 25 nm

- a. take a photo _____
- b. what sport(s) are played here? Softball & Soccer
- c. how many Base/Softball fields are there? 10

3. Locate and fly to Tule Island in the Delta.

- a. take a photo of the marina on the island _____

4. Proceed to the following location N38°03'25" W121°38'49"

There is an unusual (for some people) mode of transportation located here.

- a. take a photo _____
- b. what is it? Ferry boat and terminal
- c. for added fun see if you can find the final destination/take a photo Terminal

5. From target 4 fly to and locate the Antioch Bridge. Find the marinas at the south side landing of the bridge

- a. take a photo _____
- b. if you have good eyes, you should be able to tell me the name of the marina. New Bridge Marina

6. Fly to the intersection of Balfour Rd and American Ave in Brentwood, CA. Southwest of the intersection is a high school.

- a. take a photo. _____
- b. how many tennis courts are there?
(10 pts, minus 1 for each court over/under) 11 1/2
- c. what is the name of the school? Heritage
- d. what is the school's mascot? Patriots

7. Proceed to the intersection of the following VOR cross radials. CCR R131 (DME 8.6 nm), SAC R194 (DME 36 nm)

- a. take a photo _____
- b. what type of construction activity is this? Quarry

8. Proceed to intersection REBAS and depart on a heading of 002 for 2.4 nm. There is a small recreational/training facility at this location. Hint: It's located on a short spit of land extending into the bay.

- a. take a photo _____
- b. what type of facility is it?
(hard to see what it is, but take a shot) Gun Range

9. Proceed to 1460 South Main St, Walnut Creek. Find the High School swimming pool.

- a. take a photo _____
- b. how many lanes in the pool?
(10 pts, minus 1 for each lane over/under) 13
- c. what is the school's name? Las Lomas