

**Pacific Flying Club**  
**PA28-161 Cherokee Warrior Exam**  
Initial check rides & 6-month recurrency

Member name: \_\_\_\_\_ Date: \_\_\_\_\_

**Performance:**

1. What are the critical speeds for the following conditions?

- a) Power off stall, flaps up \_\_\_\_\_ KIAS
- b) Power off stall, flaps down \_\_\_\_\_ KIAS
- c) Manoeuvring speed @ maximum weight \_\_\_\_\_ KIAS
- d) Manoeuvring speed @ 1531 lbs \_\_\_\_\_ KIAS
- e) Maximum Flap Extension \_\_\_\_\_ KIAS
- f) Maximum Structural Cruise \_\_\_\_\_ KIAS
- g) Never exceed speed \_\_\_\_\_ KIAS
- h) Best Angle of Climb \_\_\_\_\_ KIAS
- i) Best Rate of Climb \_\_\_\_\_ KIAS
- j) Short Field Approach \_\_\_\_\_ KIAS
- k) Short Field Take-off \_\_\_\_\_ KIAS

2. The expected rate of climb at max gross weight @ sea level is \_\_\_\_\_ FPM.

3. At 65% power, the fuel consumption would be \_\_\_\_\_ GPH.

4. At 75% power, assuming you leave 45 minutes of reserve fuel in your tanks at the end of your trip, your endurance would be \_\_\_\_\_ hours.

5. Under the following conditions:

- Pressure Altitude: 2000 ft
- Temperature: 20 degrees Celsius
- Weight: 2200 lbs
- Wind: calm

What is your total take-off distance to clear a 50 foot obstacle? \_\_\_\_\_ feet

6. The maximum gross weight for a PA28-161 is \_\_\_\_\_ lbs.

7. The maximum weight permitted in the baggage compartment is \_\_\_\_\_ lbs.

## Fuel System:

1. Maximum fuel quantity \_\_\_\_\_ US Gal.
2. Total Useable fuel \_\_\_\_\_ US Gal.
3. What are the positions of the fuel selector 1)\_\_\_\_\_ 2)\_\_\_\_\_ 3)\_\_\_\_\_
4. What are the two types of fuel pumps 1)\_\_\_\_\_ 2)\_\_\_\_\_
5. How do you turn the fuel selector off? \_\_\_\_\_

## Electrical System:

1. If the alternator is not functioning the ammeter will indicate \_\_\_\_\_.
2. What action is taken in the event of alternator failure? \_\_\_\_\_  
\_\_\_\_\_

## Emergencies:

1. What is the Best Glide Speed at maximum gross weight? \_\_\_\_\_

What is the Glide Ratio? \_\_\_\_\_

2. State the actions required in the proper sequence for the following emergencies:

a) Engine fire during start-up \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

b) Engine fire in flight \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

c) Electrical fire in flight \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

d) Alternator malfunction \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Procedures:

1. Are intentional spins allowed in this aircraft? \_\_\_\_\_
2. After engine start-up, what procedure should be followed to ensure the engine-driven fuel pump in operative? \_\_\_\_\_
3. Where is the stall warning device located?  
\_\_\_\_\_
4. What flap setting is used for short or soft field take-offs? \_\_\_\_\_