

**Indian River Flying Club
PA28-180 Checkout Sheet**

Name _____

Date _____

CFI _____

SYSTEMS

What type of engine does the aircraft have? (Specify make/model and HP)

What is the voltage of the battery?

Where is the battery located in the aircraft?

What has happened when the low voltage light illuminates?

How can the pilot attempt to remedy a low or over-voltage condition?

Fuel & Oil:

What is the fuel capacity?

Total: _____ gallons

Useable: _____ gallons

What is the minimum octane fuel this aircraft can use? _____

What is the fuel burn per hour, TAS and RPM at 5000, 65% power and standard temperature? _____, _____, _____

How long can you fly with full tanks and land with VFR night reserve under these conditions? _____

Where are the fuel drains located? _____

Where is the fuel shut-off valve located? _____

When is fuel taken from the drains? _____

What is the recommended grade and type of oil? _____

What is the minimum operating oil level? _____

List the following speeds (KIAS):

Vr _____

Vy _____

Vx _____

Va _____

Vso _____

Vs1 _____

Vfe _____

Vno _____

Vne _____

Best Glide Speed _____

Normal Approach _____

Short Field Approach _____

Maximum Demonstrated Crosswind _____
Stall speed in the landing configuration at gross weight in a 30 degree bank? ____
How far can you glide at 5000 feet AGL? _____

Weight & Balance Information:

Basic Empty Weight _____
Maximum Takeoff Weight _____
Useful Load _____
Maximum Landing Weight _____

Weight and Balance Problem

Determine how much fuel can be carried without exceeding max takeoff weight?

	Weight	Arm	Moment
Empty Weight	_____		
Pilot & Pass	_____		
Baggage 1	_____		
Baggage 2	_____		
Zero Fuel Weight	_____		
Fuel @ 6 LBS/GAL	_____		
Ramp Weight	_____		
Taxi Fuel Allowance	_____		
Takeoff Weight	_____		
CG Location	_____		

Is the aircraft within CG limits? If not, show how we can be in CG limits.

What are the recommended takeoff procedures for this aircraft?

Normal: _____

Crosswind: _____

Short field: _____

Soft field: _____

What are the recommended landing procedures for this aircraft?

Normal: _____

Crosswind: _____

Short field: _____

Soft field: _____

Performance Chart Calculations:

Given:

Max Gross weight

5000 ft. pressure altitude

105 degree F

5 knot headwind

Find:

Takeoff Roll _____

Dist to clear 50 foot obstacle _____

Landing Roll _____

Landing Distance over 50 foot obstacle _____

What is the endurance at 5,000' & standard temp at 65% power? _____

General Questions:

What effect does a lower aircraft weight have on maneuvering speed?

How do you detect carburetor icing?

What conditions are the most conducive to carburetor icing?

In the event of carburetor icing, what is the recommended procedure?

What is the recommended go around procedure?

What is the indication of alternator failure?

How do you restore electrical power?

Where is the alternate static source located?

What actions should be performed if engine loss occurs during takeoff?

What is the recommended procedure if you must land in a tailwind?

Emergency Procedures

Describe the emergency checklist to follow when the engine has failed in flight.

What actions should be taken if there is smoke in the cockpit?

What should we do if we experience low or high oil pressure?

What action should be taken if you experience partial power loss?

Describe the procedure to use for a forced landing?

What should be done if the ammeter indicates excessive discharge or overcharge during flight?

How do you recover from a stall (Power-Off / Power-On).

Power-Off: _____

Power-On: _____

What is the SPIN RECOVERY procedure for this airplane?