



New Kent Aviation, LLC

Cessna 172P Aircraft Checkout

Airspeeds:

V_x _____ V_y _____ V_a _____ V_{fe} _____ V_s _____ V_{so} _____
V_{ne} _____ Best Glide _____ Normal Approach _____ Short Field Approach _____
Maximum Demonstrated Crosswind Component _____ Is this an aircraft limitation? _____

Weight & Balance:

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

Assume the aircraft is loaded with you, two 210 lb passengers, and full fuel.

Is the weight acceptable? _____ How much baggage can you carry? _____ lbs.

Is the CG acceptable? _____ If so, where is the CG? _____

Performance Charts:

Given:

Maximum Gross Takeoff Weight 5000 ft. pressure altitude
105° F 9 knot headwind

Find:

Takeoff Roll _____ Takeoff Dist. to clear 50 foot obstacle _____

Landing Roll _____ Landing Dist. over 50 foot obstacle _____

Fuel & Oil:

What is the total fuel capacity? _____ Gals. Useable? _____ Gals.

What types of fuel are approved for use in this aircraft? _____

Given:

6000' Altitude 75% power Standard Temperature

Find:

Fuel Burn per hour _____ True Airspeed _____ RPM _____

Where are the fuel drains located? How many? _____

When should the fuel be sampled? _____

Recommended grade/type oil? _____ Minimum oil level? _____ Qts.

General Topics:

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

How can you detect carburetor icing? _____

What conditions are the most conducive to carburetor icing? _____

What is the recommended go around procedure? _____

What are the indications of an alternator failure? _____

Where is the alternate static source located? _____

What should you do if a door opens during flight? _____

What actions should be performed if an engine failure occurs immediately after takeoff?

What documents must be carried aboard the aircraft?

A _____ R _____

O _____ W _____

What inspections and checks must be logged to show that the aircraft is airworthy?

Who is responsible for determining that the aircraft is airworthy before flight? _____

What documents must the pilot carry while operating an aircraft?

Why does an aircraft stall? _____

Can you recover from a stall without adding power? _____

What kind of airspace is above W96 (above 1,400')? _____

Pilot's Name Pilot's Signature Date / /

Instructor's Name Instructor's Signature Date / /