



# New Kent Aviation, LLC

## Cessna 152 Aircraft Checkout

### Airspeeds:

V<sub>x</sub> \_\_\_\_\_ V<sub>y</sub> \_\_\_\_\_ V<sub>a</sub> \_\_\_\_\_ V<sub>fe</sub> \_\_\_\_\_ V<sub>s</sub> \_\_\_\_\_ V<sub>so</sub> \_\_\_\_\_  
V<sub>ne</sub> \_\_\_\_\_ 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 and a 175lb passenger.*

How much fuel can you carry? \_\_\_\_\_ 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? \_\_\_\_\_

Is there an alternate static source? \_\_\_\_\_

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    /    /