



AIRCRAFT FAMILIARIZATION AND REVIEW C-152

Name _____ Aircraft make and model _____

Date: _____ Reviewed By: _____

V SPEEDS

Vx _____

Vs _____

Vy _____

Vso _____

Va _____

Vno _____

Vfe _____

Vne _____

RECOMMENDED SPEEDS

Normal take off _____

Short field take off at 50' _____

Normal landing flaps 40 degrees _____

Short field landing flaps 40 degrees _____

Normal landing flaps up _____

Maximum cross wind take off or landing _____

Steep turn entry speed _____

Chandel or Lazy eight entry speed _____

Best glide speed and distance from 6000' _____

WEIGHTS

Empty weight _____ Max takeoff weight _____

Max landing weight _____ Max useful load _____

C. G. range at max weight _____ Max baggage compartment weight _____

AIRFRAME

Describe general type of construction _____

Describe how each of the following controls surfaces are operated:

Rudder: _____

Ailerons: _____

Elevator: _____



Flaps: _____

Nose wheel: _____

ENGINE

Make and model _____ Engine horsepower _____

Engine type _____

Oil capacity and type _____

Describe carburetor and priming system _____

PROPELLER

Make and model _____ Diameter _____

BRAKE SYSTEM

Describe the brake system _____

FUEL SYSTEM

Total fuel capacity _____ Usable fuel capacity _____

Fuel type _____ Fuel color _____

Describe the fuel system i.e. the number of drains, vents and how fuel is delivered to the engine: _____

Describe the proper leaning procedures. _____

ELECTRICAL SYSTEM

What is the system voltage _____

Describe the major components of the electrical system _____

Describe the engine starter and ignition system _____



Describe the master switch and how it works. _____

ENVIRONMENTAL CONTROLS

Describe how the airplane is heated and cooled. _____

INSTRUMENTATION

What instruments operate off the vacuum system _____

What instruments operate off the Pitot- Static system _____

AIRCRAFT PERFORMANCE

Determine the take off distance, ground roll and over a 50' obstacle with the following conditions. PA 3000', Temp @ 25C and calm winds.

Ground roll _____ over 50' obstacle _____

Determine the landing distances for the same conditions as above.

Ground roll _____ over 50' obstacle _____

Compute the time, fuel burn and distance climbing to 8000' from sea level given the takeoff conditions above and the fuel burn @ 75% power after reaching 8000'

Time _____

Fuel _____

Distance _____

Fuel consumption @ 75% _____

WEIGHT AND BALANCE:

Perform a Weight & Balance Computation with: Pilot 200 lbs, Front seat passenger 200 lbs, Full Fuel & Baggage at 50 lbs in the forward baggage area

Are we below our max weight? _____

What is the center of gravity? _____

Is the center of gravity within limits? _____



EMERGENCY PROCEDURES

What are the memory items for the following Emergency procedures?

ENGINE FAILURE ON TAKEOFF

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

ENGINE FAILURE IN CRUISE

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

ENGINE FIRE AT START

1. _____

If engine starts.

2. _____
3. _____

If engine fails to start.

4. _____
5. _____
6. _____
7. _____
8. _____
 - a. _____
 - b. _____
 - c. _____
9. _____
10. _____

ENGINE FAILURE AFTER TAKEOFF

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

EMERGENCY LANDING

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

ENGINE FIRE IN FLIGHT

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

ELECTRICAL FIRE IN FLIGHT

1. _____
2. _____
3. _____
4. _____
5. _____

If fire is out and elec. power is required

6. _____
7. _____
8. _____
9. _____
10. _____



CABIN FIRE

1. _____
2. _____
3. _____
4. _____
5. _____

WING FIRE

1. _____
2. _____
3. _____
4. _____

OVERVOLTAGE LIGHT ILLUMINATES

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

AMP METER SHOWS DISCHARGE

1. _____
2. _____
3. _____

STATIC SOURCE BLOCKED

1. _____
2. _____

LANDING WITH A FLAT TIRE

1. _____
2. _____

INADVERTENT ICING

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

What inspections are required for an aircraft to be considered airworthy and legal to fly?

_____	_____
_____	_____
_____	_____

What documents must be in the airplane at all times?

_____	_____
_____	_____