Name _____

Date _____

Aircraft _____

Aircraft Performance/Specifications:

Engine Make/Model: _____

Propeller Make/Model: _____

Max HP: _____ @ _____ **RPM**

Empty Wt.: _____

Max Gross Wt: _____

Useful Load: _____

Fuel Type: _____

Which tanks are topped after every flight? _____

Oil Type: _____ **Normal Qty**_____

V speeds:

Fill in the following V speeds and define (**indicate MPH/Kts**):

Vr	____	_____
Vs	____	_____
Va	____	_____
Vx	____	_____
Vy	____	_____
Vfe	____	_____
Vne	____	_____

Optimal engine out glide speed: ____

Max Demonstrated Crosswind Component ____ **kts.**

Weight and Balance Problem:

Calculate the T/O weight and balance:

	Wt.	**ARM**	**Moment**
Basic empty wt:	____	_____	_____
Pilot and front pax:	____	_____	_____
Fuel: ___ **Gal:**	____	_____	_____
Baggage:	____	_____	_____
Totals:	_____	_____	_____

Total Moment = _____ ÷ _____ **lbs**. = _____ **inches = CG**

Aircraft (is) / (is not) within the Max Gross Weight and C/G limits of Normal Category.

Aircraft (is) / (is not) within the Max Gross Weight and C/G limits of Utility Category.

Aircraft Systems:

Describe the Fuel System/Fuel Pump use_____

_____

_____

Electrical system: _____

What is/are the stall indications for this plane? _____

_____

Starter Limitations (Describe starter limits): _____

_____

_____

Describe Audio Panel (how to control active radio v. standby radio):

_____

_____

_____

_____

Aircraft Specific Discussion:

Warrior: JPI Engine Monitor Usage / Fuel Management

Cherokee 180: Tach Usage / Avidyne usage (basic functions) / Start Sequence / Autopilot Usage

172: Audio Panel /

Cherokee 6: JPI Engine Monitor Usage / Fuel Tank Management / GPS / Auto Pilot

Cessna 182: Start Sequence / Autopilot Usage / O2 system usage

Reviewed by (**instructor signature**): _____