

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): \_\_\_\_\_