

Name _____

Date _____

Instructor _____

Aircraft _____

Performance/Specifications:

Engine Make/Model: _____

Propeller Make/Model: _____

Define Fixed-Pitch Propeller: _____

Define Constant Speed Propeller: _____

Max HP: _____ @ _____ **RPM**

Empty Wt.: _____

Max Gross Wt: _____

Useful Load: _____

Fuel Type: _____

Oil Specification: _____ **Capacity** _____ **Qts.**

Fuel System/Fuel Pump use: _____

V speeds:

Fill in the following V speeds and define:

Vx _____

Vy _____

Va _____

Vfe _____

Optimal engine out glide speed: _____ **kts.**

Max Demonstrated Crosswind Component _____ **kts.**

Electrical system:

Weight and Balance Problem:

Calculate the T/O weight and balance:

	Wt.	ARM	Moment
Basic empty wt:	_____	_____	_____
Pilot and front pax:	_____	_____	_____
Rear seat 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 Pitot/Static System and associated instruments:

Describe Vacuum System and associated instruments:

Miscellaneous Discussion (as directed by Instructor):

Reviewed and corrected to 100% by: _____