Date_____
Pilot's Name_____
Aircraft Type_____
N#_____

ORAL/WRITTEN CHECK

Use all available aircraft documents (including the ones in plane) for this part (open book). The check pilot will review and discuss all material in this portion.

Fuel: Capacity_____ gal Grade_____ Color_____
Oil: Capacity_____ Viscosity_____ Min Level_____ Normal Level_____
Aircraft: max gross weight_____ lbs empty weight_____ lbs
useful load _____lbs payload_____ lbs
Locations of fuel drains_____
Locations of alt static air source_____
Speeds: Normal approach_____ mph short field approach_____ mph
best angle of climb (Vx)_____ best rate of climb (Vy)_____
max full-flap extended (Vfe)_____ max flap operating (Vfo)_____
max gear extended (Vge)_____ max gear operating (Vgo)_____
maneuvering (turbulence penetration) (Va)_____ best glide speed_____
Landing gear: unsafe indications_____
Emergency extension procedures_____
Carb. Ice: How to detect_____
How to remove_____
Tire air pressure (psig): Nose wheel_____ Main wheels_____
Give power setting, fuel consumption and TAS for the following (standard temp):
65% power: 7500 ft. _____ in. M.P. _____ rpm _____gph _____mph
75% power: 3000 ft. _____ in. M.P. _____ rpm _____gph _____mph

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Work the following weight and balance problem assuming yourself as pilot, a front seat passenger weighing 135#, two rear seat passengers (180# & 130#) and baggage of 30#. Limit fuel if required to produce acceptable loading.

	Weight	Moment
Empty weight----------	_____	_____
Oil_____ qts.----------	_____	_____
Fuel_____ gal (mains)---------	_____	_____
Fuel_____ gal (aux)----------	_____	_____
Front seats----------	_____	_____
Rear seats----------	_____	_____
Baggage----------	_____	_____
Totals----------	_____	_____

C.G. = _____ (inches)

Does this aircraft have a utility category?_____
What would you have to do to place the above weight and balance in the utility category?_____
_____
_____