



Aircraft Weight and Balance

Weight X Arm = Moment

	WT	ARM	MOMENT
Basic Empty Weight			
Pilot			
Front Passenger			
Rear Passengers			
Baggage (area 1)			
Baggage (area 2)			
Zero Fuel Weight/CG			
Fuel (6 lb/gal)			
Ramp Weight			
Minus fuel for Engine Start, Taxi, and Run-up			
Takeoff Weight			
Minus est. fuel burn (climb and cruise) 6lb/gal			
Landing Weight			

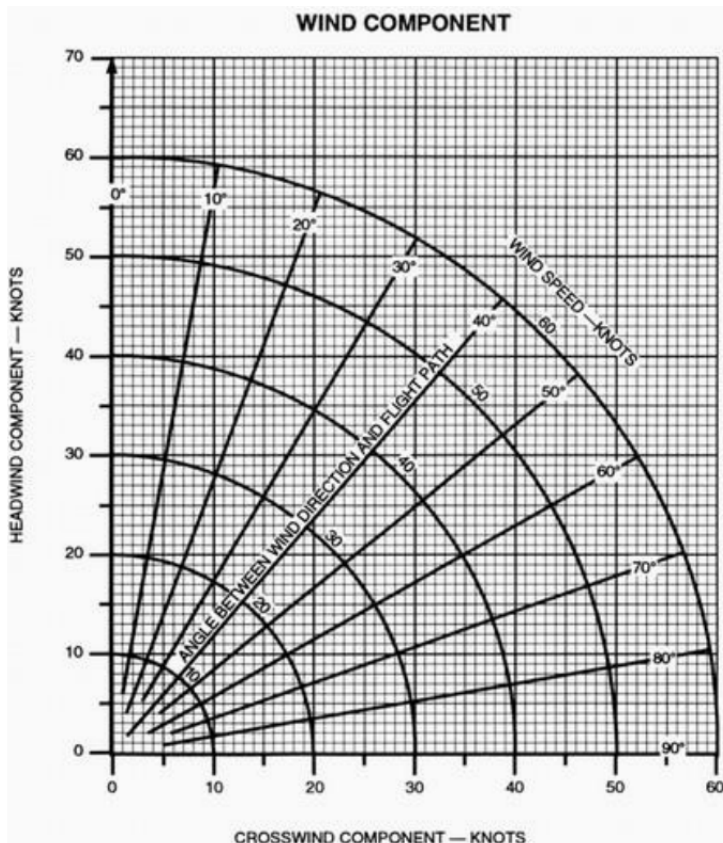
Pressure Altitude:	_____
Temperature:	_____
Density Altitude:	_____
Take-off Ground Roll:	_____
Total dist. to clear 50ft obst.	_____
Landing Ground Roll:	_____
Total dist. to land over 50ft obst.	_____
Headwind:	_____
Crosswind:	_____
Maneuvering Speed (Takeoff):	_____
Maneuvering Speed (Landing):	_____

Formulas:

PA = [29.92 - altimeter setting] x 1000 + field elevation

DA = (current temp - standard temp at field elev) x 120 + PA

Va = Va x $\sqrt{\text{current weight} / \text{max gross weight}}$



Aircraft	Empty Wt	Moment
N18LW	1655.50	64,516.00
N62AW	1679.10	65,666.18
N716MW	1655.40	65,087.18
N1232G	1699.40	68,741.16
N5327G	1698.10	69,847.19
N685SP	1646.90	63,341.40
N713MP	2190.00	310,110.00
N1144G	2178.00	308,226.00

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