

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor: \_\_\_\_\_ Lesson: \_\_\_\_\_

Aircraft: \_\_\_\_\_ Passenger: \_\_\_\_\_

Notes:

Weight and Balance	Weight (LBS)	Arm (In. aft)	Moment (in. LBS)
Basic Empty Weight			
Front Seats		105-112	
Back Seats		144	
Baggage (200lbs max)		167	
Zero Fuel Total (3500lbs max)			
Fuel _____ X 6lbs/gallon		117	
Ramp Weight (3916lbs max)			
Start, taxi, Runup fuel	-16	117	-1872
Take-off weight (3900lbs max)			
Trip Fuel _____ X 6lbs/gallon		117	
Landing Weight (3900lbs max)			

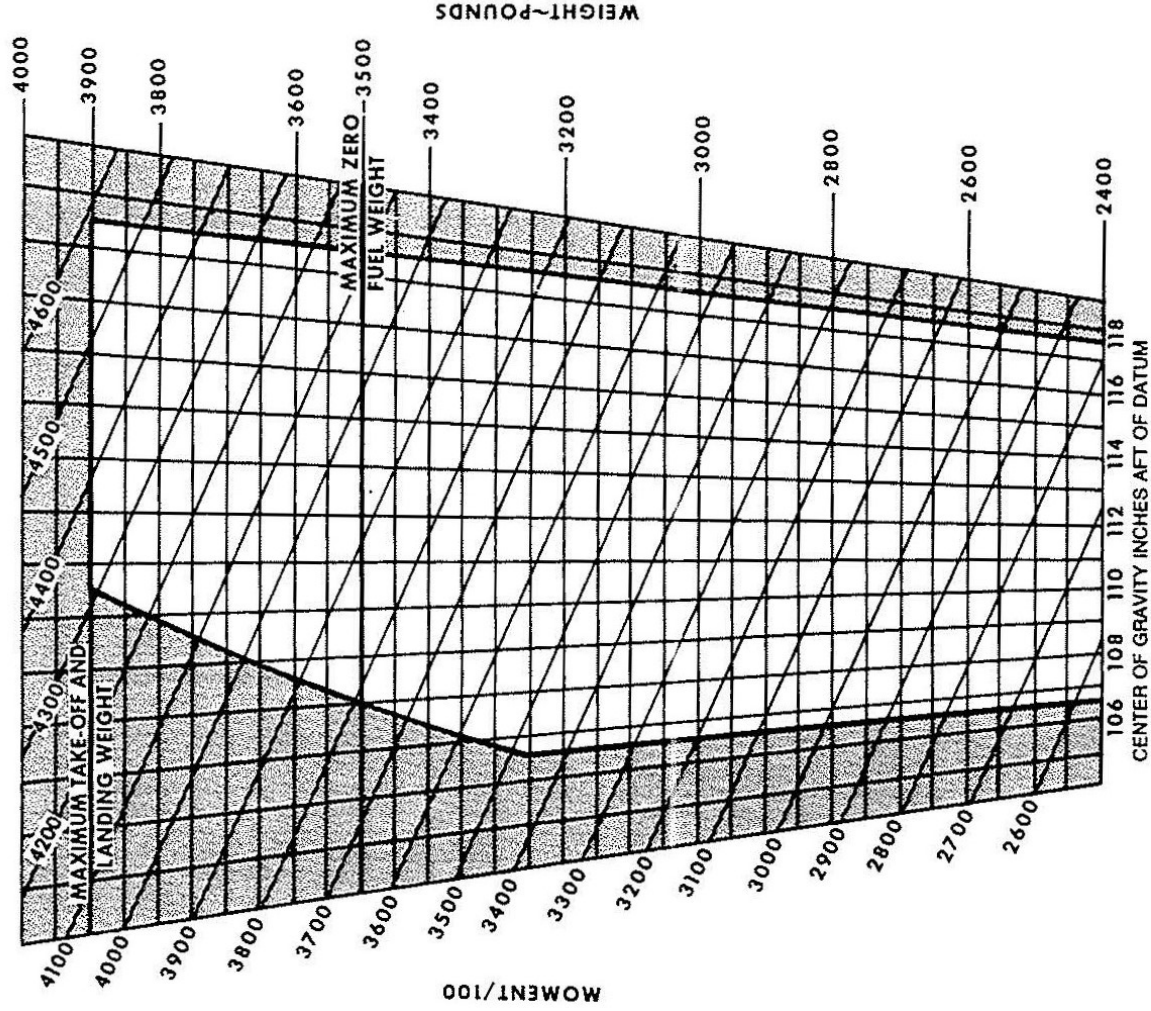
NOTE: Plot each calculated C of G above, on the reverse side of this sheet.

Departure	Item	Arrival
	Airport	
	Temperature	
	Headwind Crosswind	
	Altimeter	
	Pressure Altitude	
	Runway Lengths	

Accelerate Go Distance	
Accelerate Stop Distance	
Take-off Distance	
Over 50ft Obstacle	
Landing Distance	
Over 50ft Obstacle	
Single Engine Service ceiling	
Single Engine rate of climb at 500 AGL after takeoff	
Single Engine rate of climb at cruise altitude	

Hobbs	Time
Start:	Up:
End:	Down:
Flight:	Air:

**MOMENT LIMITS VS WEIGHT**



ENVELOPE BASED ON THE FOLLOWING WEIGHT AND CENTER OF GRAVITY LIMIT DATA (LANDING GEAR DOWN)

WEIGHT CONDITION	FWD C. G. LIMIT	AFT C. G. LIMIT
3900 POUNDS (MAX. TAKE-OFF/LANDING)	110.6	117.5
3250 POUNDS OR LESS	106.6	117.5

76-601-6