

Weight & Balance Computation

| | | | |
|-----------------------------------|-----------------------|---------------------------|---------------------|
| Acft No. | Acft Type | Max Take-Off GW | Max Ldg. Wt. |
| N977BC | PA-28R-200 | 2650 Lbs. | 2650 Lbs. |
| FWD C.G Limit @ Max GW 87.4 | AFT C.G Limit 93.0 | Fuel Wt. 6 Lbs/Gal | |
| Fwd C.G. Limit @ 2300 Lbs 82.0 | | Oil Wt. 1.87 Lbs / Qt. | |
| Fwd C.G. Limit @ 1800 Lbs 80 | | | |
| | | | |

| ITEM | WEIGHT | X | ARM | = | MOMENT/1000 |
|------------------------------|---------|---|-------|---|-------------|
| Licensed Basic Weight | 1695.25 | | 85.79 | | 145.44 |
| Oil (8 Qts.) | | | 24.5 | | |
| Pilot & Front Passenger | | | 80.5 | | |
| Rear Seat Passengers | | | 118.1 | | |
| Fuel (FULL) | | | 95.0 | | |
| Baggage | | | 142.8 | | |
| | | | | | |
| Total Loaded Airplane | | | | | |

C. G = $\frac{\text{Total Moments}}{\text{Total Weight}} \times 1000$ Loaded Aircraft C.G = _____

LEMAC = 78.4, TMAC = 126.4

C.G in % of MAC = _____ **Dist. Aft of MAC X 100 / MAC**

Accelerate/Stop Distance _____ Take Off Ground Run _____

Total Distance _____

Name _____

Date _____