Navigation Log

Clearance Limit_____

Route_____ Altitude_____

Departure Frequency_____ Transponder Code_____

Items Needed: Sectional Chart; E6-B; POH for aircraft; Empty weight and balance; Chart Supplement; ***OBS*** *=Omni Bearing Selector* ***TAS*** *=True Airspeed* ***TC*** *=True Course* ***WCA*** *=Wind Correction Angle* ***TH*** *=True Heading* ***VAR*** *=Variation* ***MH*** *=Mag Heading* ***DEV*** *=Deviation* ***ETE/A*** *=Estimated Time Enroute/Arrived* ***ATE/A*** *=Actual Time Enroute/Arrived*

Check Points	Altitude	VOR Ident / Freq	OBS	Wind Dir / Vel / Temp	TAS	TC / WCA	TH / VAR	MH / DEV	Compass Heading	Dist Leg / Rem.	GS Est. / Act	Time Off ETE / ATE	Time Off ETA / ATA	GPH Fuel / Rem.
						- L + R	- E + W	± Dev						
									Total					

Fuel Required	
GPH Cruise	
Run-Up Taxi and Takeoff	
Climb	
Cruise	
Approach	
Reserves	
Extra	
Total	

Airport Information Departure	
ATIS/AWOS	
Tower/CTAF	
Ground	
Departure	
Rwys & Lengths	
Field Elevation	
Pattern Altitude	

Airport Information Arrival	
ATIS/AWOS	
Approach	
Tower/CTAF	
Ground	
Rwys & Lengths	
Field Elevation	
Pattern Altitude	

WEATHER LOG

	Ceiling, Visibility, and Surface Wind		Winds Aloft		Icing and Freezing Level	Turbulence and Cloud Tops	Pilot Reports
	METAR	TAF	Direction	Velocity			
Departure							
Enroute							
Destination							

Useful Information

Approach Brief	Crosswind Component	Emergency Engine Out
W - Weather	15°=25% of wind speed	**P**itch for best glide speed
I - Instruments	30°=50% of wind speed	**I**dentify forced landing spot
R - Radios	45°=75% of wind speed	**T**roubleshoot sources Fuel/Air/Fire
E - Entry Brief	>60°=mostly crosswind	**S**ecure sources of fuel/electricity
VFR Altitudes > 3000 AGL	Flight Service: 122.20	**T**ransmit Emergency 7700/121.50
Eastbound- 3500, 5500 etc	Guard Freq: 121.50	**O**pen doors/canopy
Westbound- 4500, 6500 etc	Air-to-air Freq: 122.75	**P**repare for forced landing/evac

VFR Wx Mins: **Class B**=3-clr clouds -- **Class C&D**=3-512 -- **Class E<10000**=3-512 -- **Class E>10000**=5-111
Class G<1200=1-clr clouds(day), 3-512(night) -- **Class G 1200-10000**=1-512(day), 3-512(night)
Class G>10000=5-111 -- **Pattern ops in controlled airspace** = 3SM & 1000' ceilings

VFR Equipment: ASI, Altimeter, Mag Compass, Seatbelts, Anticollision light, ELT. **With Engine:** Fuel Gauges, Oil Temp & Press, Tachometer. **With CS Prop:** Man Pressure Gauge. **With Retract Gear:** Gear position lights. **With Liquid Cooled Engine:** Temperature Gauge. **At Night:** Nav Lights, Elec Source, Spare Fuses. **For Hire:** Floatation Gear and Flare Gun (over water), Landing Light (night)

Weight and Balance

	Weight	x	Arm	=	Moment

Takeoff and Landing Performance

Alternate Airport Information

Notes and NOTAMs