Traffic considerations

10. Completion standards

FLIGHT MANEUVER ANALYSIS SHEET (FMAS)

- A. We have developed a method of analyzing and studying flight maneuvers that incorporates 10 variables:
 - Maneuver
 Objective
 Altitude(s)
 Airspeed(s)
 Control forces
 - Power settings(s) 8. Time(s)
- B. A copy of an FMAS (front and back) appears on the next pages for your convenience. When you reproduce the forms for your own use and later for your students, photocopy onto the front and back of a single sheet of paper to make the forms more convenient. The front side contains space for analysis of the above variables. The back side contains space for
 - 1. Make- and model-specific information
 - a. Weight
 - b. Airspeeds
 - c. Center of gravity
 - d. Fuel
 - e. Performance data
 - 2. Flight instrument review of maneuver

a.	Airspeed indicator	.ASI
	Attitude indicator	
C.	Altimeter	.ALT
d.	Turn coordinator	.TC
e.	Heading indicator	.HI
f.	Vertical speed indicator	VSI

- 3. Common errors
- C. You should prepare/study/review an FMAS for each maneuver you intend to perform before each flight lesson. Photocopy the form onto single sheets of paper (front and back). Changes, amplifications, and other notes should be added subsequently. Blank sheets of paper should be attached (stapled) to the FMAS, including self-evaluations, "to do" items, questions for your CFI, etc., for your home study during your flight instruction program. FMASs are also very useful to prepare for the practical test.
 - 1. A major benefit of the FMAS is preflight lesson preparation. It serves as a means to discuss maneuvers with your CFI (as well as with your student) before and after each flight. It emphasizes preflight planning, airplane make and model knowledge, flight instruments, and common errors.
 - 2. Also, the FMAS helps you, your future students, and pilots in general to focus on the operating characteristics of your/their airplane, including weight and balance. Weight and balance, which includes fuel, should be carefully reviewed prior to each flight.

		CFI
		Student
.EIM		Date
<u> IGHT MANEUVER</u>	ANALYSIS SHEET	
MANEUVER		
OBJECTIVES/PURPOSE		
FLIGHT PATH (visual maneuvers	()	
POWER SETTINGS		5. ALT 6.
MP RPM	SEGMENT OF MANEUVER	
a		
b		
C		
Pencil in expected in	ndication on each of 6 flight instru	ıments on reverse side.
CONTROL FORCES		
a		
b		
C		
TIME(S), TIMING		
TRAFFIC CONSIDERATIONS		CLEARING TURNS REQUIRED _
COMPLETION STANDARDS/ATC	CONSIDERATIONS	

AIRPLANE MAKE/MODEL										
WEIGHT Gross Empty Pilot/Pasngrs Baggage Fuel (gal × 6)	V _{SO} V _{S1} V _Y V _A	ASI) (A		ALT					
CENTER OF GRAVITY Fore Limit Aft Limit Current CG	V _{NO}	PRIMARY vs. SECONDARY INSTRUMENTS (IFR maneuvers) instruments: ASI, AI, ALT, TC, HI, VSI, RPM and/or MP (most relevant to instrument instruction) PITCH BANK POWER								
FUEL Capacity L gal Current Estimate L gal Endurance (Hr.) Fuel-Flow Cruise (GPH)	R gal	entry primary supporting established primary supporting								
PERFORMANCE DATA Takeoff Rotation Climbout Cruise Climb Cruise Level Cruise Descent Approach** Approach to Land (Visual) Landing Flare * If you do not have a constant-speed per **Approach speed is for holding and per **	ropeller, ignore manifor		MP	Power*	RPM					
COMMON ERRORS										