



Name: _____ Date: _____

CHECK OUT INSTRUCTOR : _____

AIRCRAFT MAKE/MODEL : _____

AIRCRAFT USED FOR REVIEW : _____

ENGINE:

1. Who is the engine manufacturer? _____

2. What is the engine number and type? _____

3. What is the rated horsepower and rpm? _____

OIL:

4. What is the maximum oil capacity? _____ Minimum safe operating oil level? _____

5. What is the recommended oil type? _____

FUEL SYSTEM:

6. What is the recommended fuel grade and color? _____

7. What is the total fuel capacity? _____ Total usable fuel capacity? _____

8. Usable each tank? _____ Quantity at tabs (if applicable) _____

9. Where are the fuel drains located? _____

10. When are they drained? _____

11. How many fuel pumps are there? _____ What are the types of fuel pumps (if applicable)? _____

ELECTRICAL SYSTEM:

12. What is the voltage of the alternator? _____ Amps? _____

13. What is the voltage of the battery? _____

AIRSPEEDS: (EXPRESS IN KIAS)

14. Vr _____ Vx _____ Vy _____ Vno _____ Vne _____ Vsi _____ Vso _____
Va _____ Cruise Climb _____ Best Glide _____

Approach Speed (flaps down) _____ (flaps up) _____

15. What is the recommended short-field approach speed and configuration? _____

16. What is the maximum demonstrated crosswind component? _____

WEIGHT AND BALANCE:

| 17. | ITEM | WEIGHT | ARM | MOMENT |
|-----|----------------------------------|--------|-----|--------|
| | A/C Basic empty weight | | | |
| | Pilot and Front Passenger 350 | 350 | | |
| | Fuel full capacity | | | |
| | Baggage | 40 | | |
| | TOTALS: | | | |

CG LOCATION _____

Are you within limits? _____

PERFORMANCE:

18. Find the ground roll and takeoff distance maximum gross weight, flaps up, zero wind, for the following conditions:

a) Sea level, std. temp., ground roll _____ Total to clear 50ft obstacle _____

b) 4,000 ft., 30 degrees C, ground roll _____ Total to clear 50ft obstacle _____

c) 6,000 ft., 40 degrees C, ground roll _____ Total to clear 50ft obstacle _____

19. Find the approximate range and endurance at Max Gross weight, zero wind, with full fuel, for the following conditions:

a) 8,500 ft, standard temperature, 55% power, recommended lean mixture.

Range _____ NM, Endurance Hrs. _____ Min. _____

b) 5,500 ft, standard temperature, 65% power, recommended lean mixture.

Range _____ NM, Endurance Hrs. _____ Min. _____

20. Find the landing ground roll and landing distance at max, Gross weight, full flaps, zero wind, for the following conditions:

a) Sea level, standard temperature, ground roll _____ Total to clear 50ft obstacle _____

b) 4,000ft., 30 degrees C, ground roll _____ Total to clear 50ft obstacle _____

EMERGENCY PROCEDURES:

21. Describe the "Go-Around" procedure. _____

22. What are the indications and trouble-shooting procedures should the alternator fail in flight?

23. What are the procedures for an electrical fire in flight? _____

24. How do you detect carburetor ice (if applicable)? _____
