PILOT_____

INSTRUCTOR_____

DATE_____

Cessna 172N 6-Month Quiz Tail: _____

1. Date of current aircraft weight and balance computations _____

2. Aircraft empty weight: _____ lbs.

3. Maximum normal category takeoff gross weight: _____ lbs.
   Normal category Useful Load: _____ lbs.

4. Maximum utility category takeoff gross weight: _____ lbs.
   Utility category Useful Load: _____ lbs.

5. Full fuel usable quantity: _____gal.

6. Maximum passenger and baggage weight with full fuel: _____lbs.

7. Tire pressures are ___ psi for the nose tire and ____ for the main tires.

8. The engine in the aircraft is model _____ authorized by STC number _____

9. Minimum oil quantity is ____ qts. System oil capacity is ____ qts.
   For local training flights, oil would not be added above ___ qts.

10. How many fuel system drains should be sampled during preflight? _____
    Where are these fuel system drains located? _____.

11. What data applies for engine start, runup, taxi, and climb to 6,000' on a day 10°C above standard?
    _____ Gallons
    _____ Minutes
    _____ Nautical miles

12. Assume cruising at 6000' on a standard day at 67% BHP, the POH indicates:
    _____ RPM
    _____ KTAS
    _____ GPH

13. Assuming takeoff conditions in question 11 and cruise conditions in question 12, with full fuel and maximum passenger and baggage weight at takeoff, and allowing 10 gallons in the tanks at landing for reserve, the maximum range of the aircraft with a 20 knot headwind is _____ nautical miles.

14. What are the values for the following (indicated) airspeeds?

Vso	_____	
Vs	_____	
Vx	_____	
Vy	_____	
Va	_____	(at 2,200 lbs)
Vno	_____	
Vne	_____	
Takeoff rotate	_____	
Enroute climb	_____	
Best glide	_____	(at max gross weight)
Go around	_____	at Flaps _____°

15. What is the maximum airspeed at which Flap 10° can be extended? _____ knots.
What is the maximum airspeed at which more than Flap 10° can be extended? _____ knots.

16. What is the correct flap position for a Normal Takeoff? _____°.
What is the correct flap position for a Short Field Takeoff? _____°.
What is the correct flap position for a Soft Field Takeoff? _____°.

17. What is the maximum entry speed for performance of a Steep Turn? _____ knots

18. What is the ground roll distance and the total distance required to clear a 50 foot obstacle on takeoff for the following conditions using the POH numbers: Runway 9; Pressure altitude 4000 feet; temperature 30°C; Wind 270 at 6 knots; maximum gross weight; hard runway?
_____ ground roll _____ to clear 50 foot obstacle

19. What is the ground roll distance and distance required to clear a 50 foot obstacle when landing for the following conditions using the POH numbers: Runway 9; grass; Pressure altitude 2000 feet; temperature 20°C; Wind 090 at 9 knots; maximum gross weight?
_____ ground roll _____ to clear 50 foot obstacle

20. In order to develop full power when above 3000 feet MSL, the mixture should be adjusted to "recommended lean". What temperature on the EGT represents this mixture? _____