

Cessna 172

Aircraft Checkout Form

****Answer questions applicable to aircraft being flown**

ENGINE

Type of engine: _____

Max engine horsepower/RPM: _____

Max/Min oil capacity: _____

FUEL

Total fuel capacity: _____

Total usable fuel: _____

Total usable fuel capacity at tabs: _____

Type of fuel: _____

Number of fuel drains/sumps: _____

Fuel burn @ 75% power: _____

WEIGHT/BALANCE

Max gross weight: _____

Max baggage area 1: _____

Max baggage area 2: _____

*Calculate the following weight/balance problem and answer the following

questions: Pilot weight: 190 lbs

Passenger (2) weights: 150 lbs and 200 lbs

Baggage: 30 lbs

Can you take full fuel? _____ If not, how much can you take?

_____ Are you within CG limits? _____

PERFORMANCE:

*Answer the following questions using the given conditions at KBTF

Aircraft at max gross weight

Current altimeter setting: 29.92

Temperature: 27° C

Cruise altitude: 8,500 feet , 16°C

What is the take off distance? Ground roll: _____ Over 50' obstacle:

_____ What is the climb performance after takeoff? _____

What will the RPM be at cruise altitude at 75% horsepower? _____ at 65% horsepower? _____

What will your true airspeed be at 75% horsepower at cruise altitude? _____ at 65% horsepower? _____

With full fuel, how far can you fly at 75% power with 45 minutes of reserve fuel? _____ miles at
65% power with 45 minutes of reserve fuel? _____ miles

What is the landing distance? Ground roll: _____ Over 50'

obstacle: _____ **V – SPEEDS**

Best glide: _____

Vs1: _____

Rotate: _____

Vfe: _____

Final approach: _____

Vno: _____

Vx: _____

Vne: _____

Vy: _____

Max demonstrated cross wind component: _

Vso: _____

NORMAL/EMERGENCY PROCEDURES:

1. What are the starter limitations? _____

2. How do you detect carburetor icing and what should be done if you encounter it? _____

3. What do you do if you have a fire during start up? _____

- 4. What do you do if you have an engine failure during takeoff or in flight? _____

- 5. What do you do if you have an in flight fire? _____

- 6. How do you detect an alternator failure and what should you do? _____

- 7. What do you do if you lose oil pressure? _____

- 8. Is the aircraft certified for IFR conditions? _____
- 9. Is the aircraft certified for icing conditions? _____

AERODYNAMICS

- 1. What is an angle of attack? _____
- 2. What happens when you exceed the aircraft's critical angle of attack? _____
- 3. How do you recover from a stall? _____
- 4. What causes a spin? _____
- 5. How do you recover from a spin? _____

AIRPORT OPS

- 1. What is the traffic pattern altitude at KBTF _____
- 2. What are the minimum cloud ceiling and visibility requirements to depart from or land at KBTF under VFR conditions? _____
- 3. What are the procedures to enter Salt Lake City Class B airspace?

Pilot Signature: _____ Date: _____

Instructor Signature: _____ Date: _____