TOLD Sheet
Single Engine

Aircraft Identification

Instructor ___________ Student ___________

Departure Point ___________ Destination ___________

Date ___________


Atmospheric Data

ATIS ___________

Head Wind Component ___________ X-Wind Component ___________

Winds Aloft ___________

9000 ___________

12000 ___________

Other ___________

Pressure Altitude ___________

Density Altitude ___________

[Diagram]

All items required to be completed within one hour prior to each flight.

**TOLD Sheet**

**Single Engine**

V-SPEEDS:

- $V_{SO} =$ ___________
- $V_S =$ ___________
- $V_X =$ ___________
- $V_Y =$ ___________
- $V_{FE} =$ ___________
- $V_A =$ ___________
- $V_NO =$ ___________
- $V_NE =$ ___________
- $V_LO =$ ___________
- $V_LE =$ ___________

- MAX X-Wind = ___________
- MAX Tailwind = ___________

- Best Glide = ___________

**Single Engine Performance Data**

<table>
<thead>
<tr>
<th>Weight</th>
<th>Arm</th>
<th>Moment</th>
<th>WGTs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Empty Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pilot/Front Passenger</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alt Passengers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baggage Area 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baggage Area 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel (__ gal. useable)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ramp Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Start, Taxi, &amp; Runup</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Takeoff Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Takeoff C.G.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Est. Fuel Burn (__/hr)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landing Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landing C.G.</td>
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</tbody>
</table>

**Takeoff Briefing**

Rotation Speed is _____ knots. 
Computed take-off distance is_____ feet.
Available runway is _____ feet.

If engine fails before rotation, close the throttle, apply brakes as necessary.
If engine fails after rotation below 500' AGL, establish best glide, avoid obstacles, land straight ahead.
If engine fails between 500' and 1000' AGL, establish best glide, you may turn up to 45° right or left of flight path to land on most suitable field, avoid obstacles.
Do not attempt to turn back to the field without at least ______ feet AGL. Never assume a runway landing!

TAKEOFF BRIEFING COMPLETE