Part 1:
Atmospheric pressure: _____________________

(Have instructor look at graph on computer.)

Your value for absolute zero: _____________________

Part 2:
Piston diameter = _____________________

Compute area of piston:

<table>
<thead>
<tr>
<th>Volume</th>
<th>Mass on Piston</th>
<th>Weight</th>
<th>Pressure Due to Weight</th>
<th>Total (Absolute) Pressure</th>
<th>PV</th>
</tr>
</thead>
</table>

Compress:

Expand: