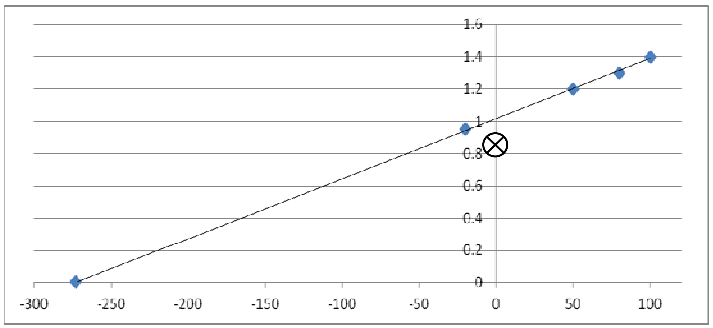
Question number		Answer	Notes	Marks
1 (a)		<table><tr><td>temperature</td><td>point of nitrogen</td><td>boiling point of water</td></tr><tr><td>in °C</td><td>-196</td><td></td></tr><tr><td>in Kelvin</td><td></td><td>373</td></tr></table> one mark for each correct;;	ignore -273	2

<table>
<tr>
<td>1 (b (i)

(ii)</td>
<td></td>
<td>Plotting to nearest half-square (minus one for each plotting error, up to max 2 marks) ;;

line of best fit that intersects x-axis between -250 and -300;

point (0, 0.85) circled or otherwise indicated;

 
</td>
<td><table>
<tr><th>Temperature in °C</th><th>Volume in litres</th></tr>
<tr><td>– 20</td><td>0.95</td></tr>
<tr><td>0</td><td>0.85</td></tr>
<tr><td>50</td><td>1.20</td></tr>
<tr><td>80</td><td>1.30</td></tr>
<tr><td>100</td><td>1.40</td></tr>
</table></td>
<td>3

1</td>
</tr>
<tr>
<td>b(iii)</td>
<td></td>
<td>Reading from graph to nearest small square (±5 degrees);</td>
<td></td>
<td>1</td>
</tr>
</table>