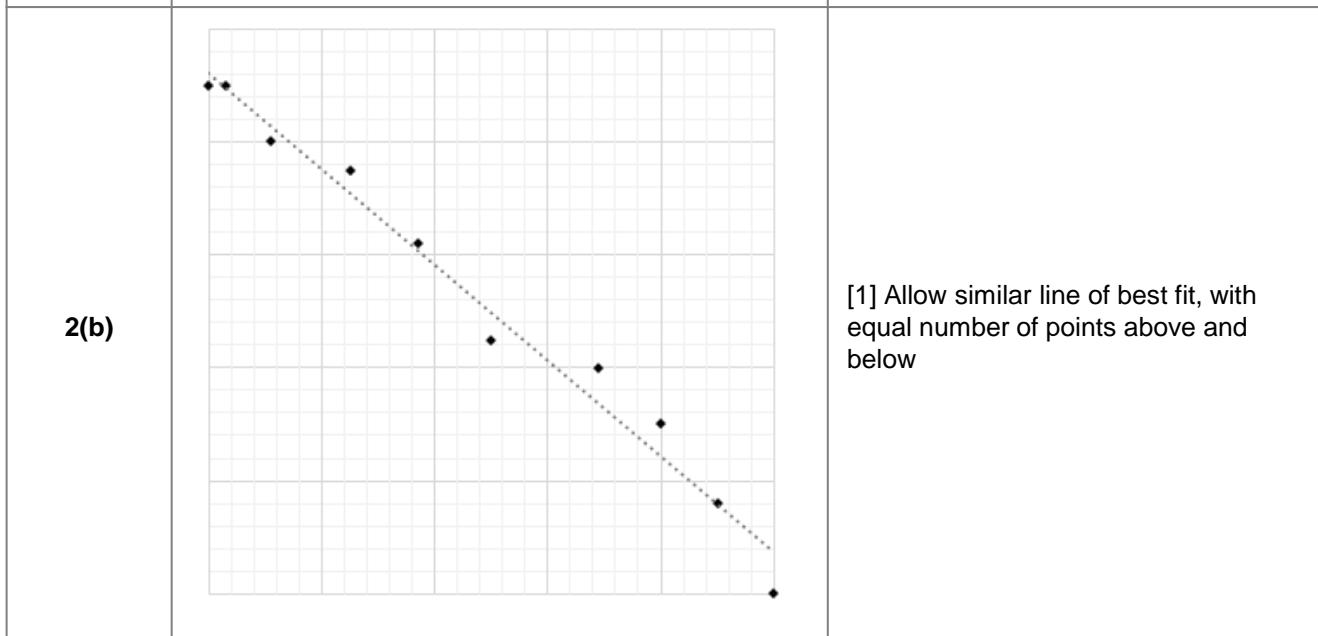
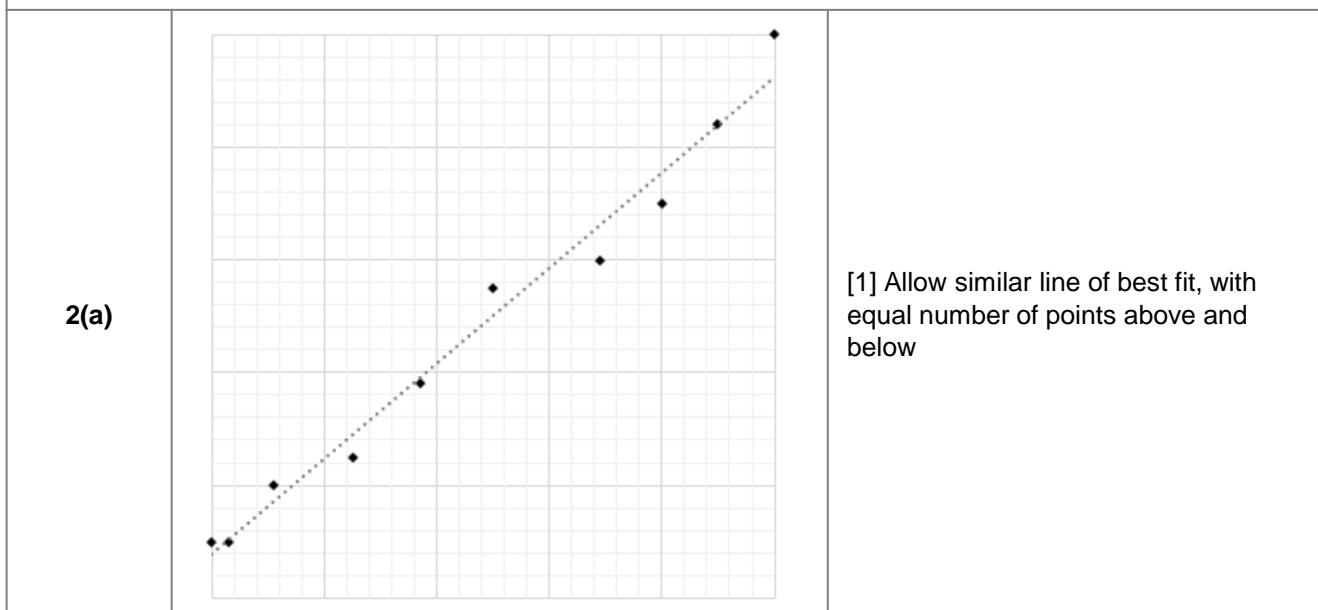
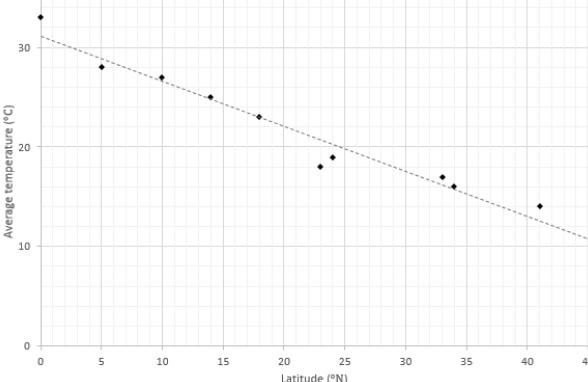
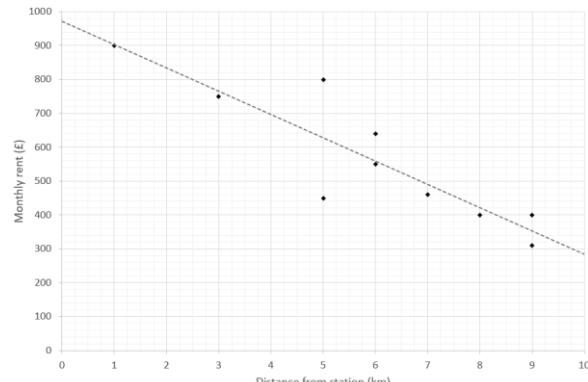
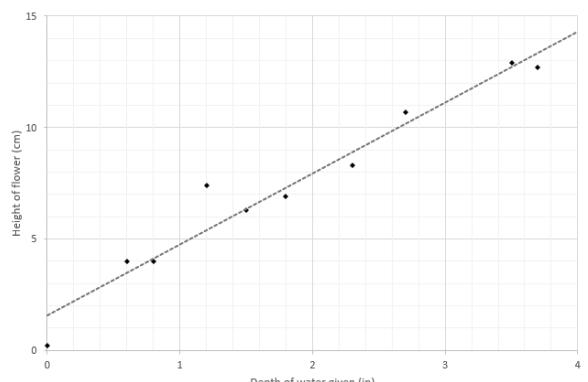


Scatter Graphs Mark Scheme		
1(a)	Positive	[1]
1(b)	No correlation	[1]
1(c)	Negative	[1]



3(a)	 <table border="1"> <caption>Data points for 3(a)</caption> <thead> <tr> <th>Latitude (°N)</th> <th>Average temperature (°C)</th> </tr> </thead> <tbody> <tr><td>0</td><td>30</td></tr> <tr><td>5</td><td>28</td></tr> <tr><td>10</td><td>26</td></tr> <tr><td>15</td><td>24</td></tr> <tr><td>20</td><td>22</td></tr> <tr><td>25</td><td>19</td></tr> <tr><td>30</td><td>17</td></tr> <tr><td>35</td><td>16</td></tr> <tr><td>40</td><td>14</td></tr> </tbody> </table>	Latitude (°N)	Average temperature (°C)	0	30	5	28	10	26	15	24	20	22	25	19	30	17	35	16	40	14	<p>[3] Allow similar line of best fit, with equal number of points above and below</p>		
Latitude (°N)	Average temperature (°C)																							
0	30																							
5	28																							
10	26																							
15	24																							
20	22																							
25	19																							
30	17																							
35	16																							
40	14																							
3(b)	22°C	<p>[1] Allow in range 21 – 23</p>																						
3(c)	38°N	<p>[1] Allow in range 37 – 39</p>																						
4(a)	 <table border="1"> <caption>Data points for 4(a)</caption> <thead> <tr> <th>Distance from station (km)</th> <th>Monthly rent (£)</th> </tr> </thead> <tbody> <tr><td>1</td><td>900</td></tr> <tr><td>3</td><td>750</td></tr> <tr><td>5</td><td>450</td></tr> <tr><td>5</td><td>800</td></tr> <tr><td>6</td><td>600</td></tr> <tr><td>6</td><td>550</td></tr> <tr><td>7</td><td>450</td></tr> <tr><td>8</td><td>400</td></tr> <tr><td>9</td><td>400</td></tr> <tr><td>9</td><td>350</td></tr> </tbody> </table>	Distance from station (km)	Monthly rent (£)	1	900	3	750	5	450	5	800	6	600	6	550	7	450	8	400	9	400	9	350	<p>[3] Allow similar line of best fit, with equal number of points above and below</p>
Distance from station (km)	Monthly rent (£)																							
1	900																							
3	750																							
5	450																							
5	800																							
6	600																							
6	550																							
7	450																							
8	400																							
9	400																							
9	350																							
4(b)	£700	<p>[1] Allow in range 690 – 710</p>																						
4(c)	6.9 km	<p>[1] Allow in range 6.8 – 7</p>																						
5(a)	 <table border="1"> <caption>Data points for 5(a)</caption> <thead> <tr> <th>Depth of water given (in)</th> <th>Height of flower (cm)</th> </tr> </thead> <tbody> <tr><td>0</td><td>1</td></tr> <tr><td>0.5</td><td>4</td></tr> <tr><td>0.8</td><td>3.5</td></tr> <tr><td>1.2</td><td>7.5</td></tr> <tr><td>1.5</td><td>6</td></tr> <tr><td>2.0</td><td>9</td></tr> <tr><td>2.5</td><td>9.5</td></tr> <tr><td>3.0</td><td>11</td></tr> <tr><td>3.5</td><td>13</td></tr> <tr><td>3.8</td><td>13.5</td></tr> </tbody> </table>	Depth of water given (in)	Height of flower (cm)	0	1	0.5	4	0.8	3.5	1.2	7.5	1.5	6	2.0	9	2.5	9.5	3.0	11	3.5	13	3.8	13.5	<p>[3] Allow similar line of best fit, with equal number of points above and below</p>
Depth of water given (in)	Height of flower (cm)																							
0	1																							
0.5	4																							
0.8	3.5																							
1.2	7.5																							
1.5	6																							
2.0	9																							
2.5	9.5																							
3.0	11																							
3.5	13																							
3.8	13.5																							
5(b)	11 cm	<p>[1] Allow in range 11 – 12</p>																						
5(c)	1.7 in	<p>[1] Allow in range 1.65 – 1.75</p>																						