

Question	Answer																
1	<p>a) All points plotted correctly and joined together. Points should be marked as a cross (x). Line may be drawn across the whole grid.</p> <p>b) All of the y-coordinates are -3 They join to make the line $y = -3$</p> <p>c) e.g. $(0, 8)$ $(7, 8)$ $(100, 8)$</p>																
2	<p>$x = 0$</p> <p>$6 = y$ ✓</p> <p>$6y = 2$ ✓</p> <p>$3y + 8 = 0$ ✓</p>																
3	<p>a) Straight vertical line drawn through the x-axis at 2</p> <p>b) E.g. $(2, 3)$, $(2, -1)$, $(2, -0.5)$ “All of the x-coordinates are equal to 2”</p> <p>c) E.g. $(2, -10)$ y-coordinate must be greater than 4 or less than -4</p> <p>d) Straight horizontal line drawn through the y-axis at 2</p> <p>e) $(2, 1)$</p>																
4	<p>$y = -5$</p> <p>$x = -5$ ✓</p> <p>$x = 9$</p> <p>$y = 9$ ✓</p>																
5	<p>a)</p> <table border="1" style="margin-left: 20px;"> <tr> <td>x</td> <td>-3</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>y</td> <td>3</td> <td>2</td> <td>1</td> <td>0</td> <td>-1</td> <td>-2</td> <td>-3</td> </tr> </table> <p>b) Line drawn correctly.</p> <p>c) Line drawn correctly.</p> <p>d) Same: e.g. y-intercept, both cross through the origin. Different: e.g. one line increase and the other decreases from left to right.</p>	x	-3	-2	-1	0	1	2	3	y	3	2	1	0	-1	-2	-3
x	-3	-2	-1	0	1	2	3										
y	3	2	1	0	-1	-2	-3										
6	<p>a) Always. The x and y values are equal for all points on the line(s).</p> <p>b) Sometimes. It depends on the scale used on the axes.</p> <p>c) Never. 4th Quadrant x is positive and y is negative. Since $y = x$, x and y will be either both positive or both negative.</p>																
7	<p>$(5.6, 5.6)$ ✓</p> <p>$(3a, a + 2a)$ ✓</p> <p>$(120, 60^2)$</p> <p>$(0.3, \frac{1}{3})$</p>																
8	<p>$A = \frac{a^2}{2}$</p>																