

Question	Answer																																				
1	<p>a)</p> <table border="1" data-bbox="297 198 1051 354"> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>-3</td> <td>-1</td> <td>1</td> <td>3</td> <td>5</td> </tr> </table> <p>b) Line drawn correctly from $-2 \leq x \leq 2$ Line has a gradient of 2 and a y-intercept of 1</p>	x	-2	-1	0	1	2	y	-3	-1	1	3	5																								
x	-2	-1	0	1	2																																
y	-3	-1	1	3	5																																
2	<p>a) Her points do not lie on the same straight line.</p> <p>b)</p> <table border="1" data-bbox="272 555 1026 710"> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>-5</td> <td>-2</td> <td>1</td> <td>4</td> <td>7</td> </tr> </table> <p>c) Line drawn correctly. Accept from $-2 \leq x \leq 2$ or drawn across the whole grid. Line has a gradient of 3 and a y-intercept of 1</p>	x	-2	-1	0	1	2	y	-5	-2	1	4	7																								
x	-2	-1	0	1	2																																
y	-5	-2	1	4	7																																
3	<p>a) P $y = 3x + 4$</p> <table border="1" data-bbox="272 878 1026 1033"> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>-2</td> <td>1</td> <td>4</td> <td>7</td> <td>10</td> </tr> </table> <p>Q $y = -x + 2$</p> <table border="1" data-bbox="272 1106 1026 1261"> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>4</td> <td>3</td> <td>2</td> <td>1</td> <td>0</td> </tr> </table> <p>R $y = 0.5x - 3$</p> <table border="1" data-bbox="272 1334 1026 1489"> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>-4</td> <td>-3.5</td> <td>-3</td> <td>-2.5</td> <td>-2</td> </tr> </table> <p>b) All lines plotted correctly and with corresponding label. P and Q intersect in Quadrant 2 P and R intersect in Quadrant 3 Q and R intersection is not seen on grid.</p>	x	-2	-1	0	1	2	y	-2	1	4	7	10	x	-2	-1	0	1	2	y	4	3	2	1	0	x	-2	-1	0	1	2	y	-4	-3.5	-3	-2.5	-2
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4	<p>a) J $y = 5x + 2$</p> <table border="1" data-bbox="254 217 749 352"> <tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr> <tr><td>y</td><td>-8</td><td>-3</td><td>2</td><td>7</td><td>12</td></tr> </table> <p>L $y = 2 - x$</p> <table border="1" data-bbox="254 410 749 544"> <tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr> <tr><td>y</td><td>4</td><td>3</td><td>2</td><td>1</td><td>0</td></tr> </table> <p>K $2 + 3x = y$</p> <table border="1" data-bbox="813 217 1309 352"> <tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr> <tr><td>y</td><td>-4</td><td>-1</td><td>2</td><td>5</td><td>8</td></tr> </table> <p>M $y = -4x + 2$</p> <table border="1" data-bbox="813 410 1309 544"> <tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr> <tr><td>y</td><td>10</td><td>6</td><td>2</td><td>-2</td><td>-6</td></tr> </table> <p>b) All lines plotted correctly and with corresponding label. c) They increase/decrease by the same amount as the x-value increases by 1 d) (0, 2) when $x = 0$ is substituted into each equation the y-value is always 2</p>	x	-2	-1	0	1	2	y	-8	-3	2	7	12	x	-2	-1	0	1	2	y	4	3	2	1	0	x	-2	-1	0	1	2	y	-4	-1	2	5	8	x	-2	-1	0	1	2	y	10	6	2	-2	-6
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