<table>
<tr><th>Question</th><th>Answer</th></tr>
<tr><td>1</td><td>
a) P $y = x + 1$
<table>
<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>-1</td><td>0</td><td>1</td><td>2</td><td>3</td></tr>
</table>
R $y = -3x + 1$
<table>
<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>7</td><td>4</td><td>1</td><td>-2</td><td>-5</td></tr>
</table>
Q $y = -2x + 1$
<table>
<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>3</td><td>1</td><td>-1</td><td>-3</td></tr>
</table>
S $y = \frac{1}{2}x + 1$
<table>
<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>0</td><td>0.5</td><td>1</td><td>1.5</td><td>2</td></tr>
</table>
b) All lines plotted correctly and with corresponding labels.
c) All the lines pass through (0, 1) or have the same y-intercept.
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<tr><td>2</td><td>
a) J $y = x + 5$
<table>
<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>4</td><td>5</td><td>6</td><td>7</td></tr>
</table>
L $y = -3x - 1$
<table>
<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>
K $y = 2x - 3$
<table>
<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>-7</td><td>-5</td><td>-3</td><td>-1</td><td>1</td></tr>
</table>
M $y = 2 - x$
<table>
<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>
b) All lines plotted correctly and with corresponding labels.
c) J (0, 5) K (0, -3) L (0, -1) M (0, 2)
The y-coordinate is where the line crosses the y-axis
d) (0, 22)
</td></tr>
<tr><td>3</td><td>
a) (0, 5)
b) e.g. $y = 7x + 5$ accept any line where $m > 4$ and $c = 5$
c) Correct line sketched where the line crosses the y-axis at 5 and has a negative gradient.
</td></tr>
<tr><td>4</td><td>
$y = 8x + 9$ ✓ (0, 9)
$y = 8x + 5$ (0, 5)
$y = 8x - 7$ (0, -7)
$y = 9 - 8x$ ✓ (0, 9)
$17x + 9 = y$ ✓ (0, 9)
$y = 2x + 5 + 4$ ✓ (0, 9)
$y = \frac{1}{8}x - 9$ ✓ (0, 9)
$y = 9x + 8$ (0, 8)
$17 - 8 - x = y$ ✓ (0, 9)
</td></tr>
</table>

Question	Answer
5	a) $y = \frac{1}{2}x + 5$ **(0, 5)** b) $y = 5x + \frac{1}{2}$ **$(0, \frac{1}{2})$** c) $17 - 8x = y$ **(0, 17)** d) $y = 12.7 + x$ **(0, 12.7)** e) $y = \frac{5}{3}x + \frac{17}{2}$ **$(0, \frac{17}{2})$** f) $-18x = y$ **(0, 0)**
6	a) $L_1: y = 7x - 9$ b) $L_2: y = 7x + 3$
7	a) $y = 3x - 12$ b) $y = -9x + \frac{7}{9}$