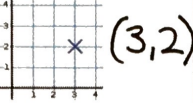
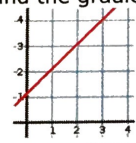
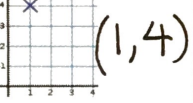
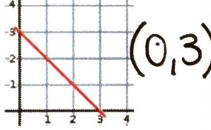
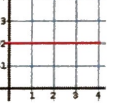
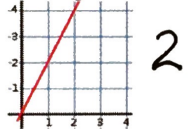
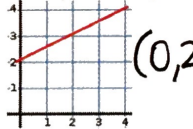
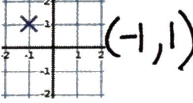
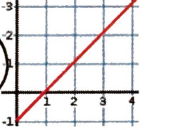

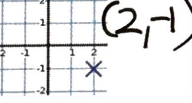
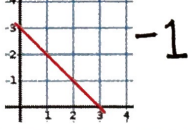
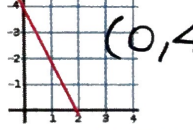
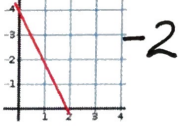
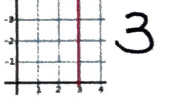


# CRACK THE CODE

CODE = 254

Answer all the questions, then add your answers together to find the three-digit code

<p>Write down the gradient of the line with equation <math>y = 5x - 1</math></p> <p>5</p>	<p>Complete the table for <math>y = 2x + 3</math></p> <table border="1"> <tr> <td>x</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>y</td> <td>5</td> <td>7</td> <td>9</td> </tr> </table>	x	1	2	3	y	5	7	9	<p>Write down the coordinates of this point.</p>  <p>(3, 2)</p>	<p>Write down the y-intercept of the line with equation <math>y = x + 10</math></p> <p>(0, 10)</p>	<p>Write down the gradient of the line with equation <math>y = -x + 7</math></p> <p>-1</p>	<p>Find the gradient</p>  <p>1</p>
x	1	2	3										
y	5	7	9										
<p>Write down the coordinates of this point.</p>  <p>(1, 4)</p>	<p>Find the y-intercept</p>  <p>(0, 3)</p>	<p>Write down the gradient of the line with equation <math>y = 8 + 2x</math></p> <p>2</p>	<p>Complete the table for <math>y = 3x - 2</math></p> <table border="1"> <tr> <td>x</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>y</td> <td>7</td> <td>10</td> <td>13</td> </tr> </table>	x	3	4	5	y	7	10	13	<p>The equation of this line is <math>y = ?</math></p>  <p>2</p>	<p>Write down the y-intercept of the line with equation <math>y = 8 + 5x</math></p> <p>(0, 8)</p>
x	3	4	5										
y	7	10	13										
<p>Find the missing coordinate in the rhombus with vertices (1, 5), (7, 3) and (13, 5)</p> <p>(7, 7)</p>	<p>Write down the y-intercept of the line with equation <math>y = \frac{1}{2}x - 1</math></p> <p>(0, -1)</p>	<p>Find the gradient</p>  <p>2</p>	<p>Find the y-intercept</p>  <p>(0, 2)</p>	<p>Complete the table for <math>y = -x + 6</math></p> <table border="1"> <tr> <td>x</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>y</td> <td>5</td> <td>4</td> <td>3</td> </tr> </table>	x	1	2	3	y	5	4	3	<p>Write down the coordinates of this point.</p>  <p>(-1, 1)</p>
x	1	2	3										
y	5	4	3										
<p>Write down the y-intercept of the line with equation <math>y = 2x - 5</math></p> <p>(0, -5)</p>	<p>Complete the table for <math>y = 5x + 2</math></p> <table border="1"> <tr> <td>x</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>y</td> <td>7</td> <td>12</td> <td>17</td> </tr> </table>	x	1	2	3	y	7	12	17	<p>Find the y-intercept</p>  <p>(0, -1)</p>	<p>Write down the gradient of the line with equation <math>y = 7x</math></p> <p>7</p>	<p>Find the gradient</p>  <p>4</p>	<p>Three corners of a square are (1, 3), (4, 3) and (1, 6). What are the coordinates of the fourth corner?</p> <p>(4, 6)</p>
x	1	2	3										
y	7	12	17										
<p>Write down the gradient of the line with equation <math>y = -3x - 2</math></p> <p>-3</p>	<p>Write down the coordinates of this point.</p>  <p>(2, -1)</p>	<p>Write down the y-intercept of the line with equation <math>y = 3x + 15</math></p> <p>(0, 15)</p>	<p>Find the gradient</p>  <p>-1</p>	<p>Complete the table for <math>y = -2x + 10</math></p> <table border="1"> <tr> <td>x</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>y</td> <td>6</td> <td>4</td> <td>2</td> </tr> </table>	x	2	3	4	y	6	4	2	<p>Find the y-intercept</p>  <p>(0, 4)</p>
x	2	3	4										
y	6	4	2										
<p>Find the gradient</p>  <p>-2</p>	<p>Two corners of a rectangle are (5, 6) and (7, 12). What are the coordinates of the other two corners?</p> <p>(5, 12) (7, 6)</p>	<p>Complete the table for <math>x + y = 10</math></p> <table border="1"> <tr> <td>x</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>y</td> <td>6</td> <td>5</td> <td>4</td> </tr> </table>	x	4	5	6	y	6	5	4	<p>Write down the y-intercept of the line with equation <math>y = -x + 6</math></p> <p>(0, 6)</p>	<p>Write down the gradient of the line with equation <math>2y = 6x + 10</math></p> <p>3</p>	<p>The equation of this line is <math>x = ?</math></p>  <p>3</p>
x	4	5	6										
y	6	5	4										