

# Pick a card...

Quadratics of the form  $f(x) = x^2 + bx + c$

<p>①</p> $f(x) = \dots$ <p>(Function in form <math>x^2 + bx + c</math>)</p>	<p>②</p> <p>Graph of <math>y = f(x)</math></p>	<p>③</p> <p>The graph crosses the axes at <math>x = \dots\dots</math>, <math>x = \dots\dots</math> and <math>y = \dots\dots</math></p>																
<p>④</p> $f(0) = \dots$ $f(1) = \dots$ $f(2) = \dots$	<p>⑤</p> $f(x) = (x \dots\dots\dots)^2 \dots\dots\dots$ <p>(Function in completed square form)</p>	<p>⑥</p> <p>The lowest point on the graph is (<math>\dots\dots, \dots\dots</math>).</p>																
<p>⑦</p> <table border="1" data-bbox="190 1082 750 1189"> <tbody> <tr> <td><math>x</math></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><math>y</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	$x$	-3	-2	-1	0	1	2	3	$y$								<p>⑧</p> <p>The solution(s) of <math>f(x) = 0</math> is/are ...</p>	<p>⑨</p> $f(x) = (\dots\dots\dots)(\dots\dots\dots)$ <p>(Function in fully factorised form)</p>
$x$	-3	-2	-1	0	1	2	3											
$y$																		