Pick a card...

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

underground mathematics

① $f(x) = \ldots$ (Function in form $ax^2 + bx + c$)	② Graph of $y = f(x)$	③ The graph crosses the axes at $x = \ldots\ldots$, $x = \ldots\ldots$ and $y = \ldots\ldots$
④ $f(0) = \ldots$ $f(1) = \ldots$ $f(2) = \ldots$	⑤ $f(x) = \ldots (x \ldots\ldots)^2 \ldots\ldots$ (Function in completed square form)	⑥ The ……est point on the graph is $(\ldots\ldots, \ldots\ldots)$. The intercept on the y-axis is …….
⑦	⑧ The solution(s) of $f(x) = 0$ is/are … $f(-2) = \ldots$	⑨ $f(x) = \quad (\ldots\ldots)(\ldots\ldots)$ (Function in fully factorised form)

x	-3	-2	-1	0	1	2	3
y							