

Incorrect. For  $f(x) = ax^2 + bx + c$ , the vertex is:  $\left(-\frac{b}{2a}, f\left(-\frac{b}{2a}\right)\right)$

Substitute the values  $a = -1$  and  $b = 6$  into the expression  $-\frac{b}{2a}$  to find the x-coordinate. Then substitute the x-coordinate into  $f(x)$  to find the y-coordinate.