

YOU & MATHS **Invent a quadratic** Find possible values for a , b , and c in the polynomial $ax^2 + bx + c$ such that the remainder of $(ax^2 + bx + c) : (x - 1)$ is 0.

If the polynomial is 0 when $x = 1$, then $a + b + c = 0$. So one possible choice for the three parameters is $a = 1$, $b = -2$, and $c = 1$.