4	$f(x) = 2x^3 + px^2 + qx + 12$ $p, q \in \mathbb{Z}$	
	Given that $(x + 3)$ is a factor of $f(x)$ and that when $f'(x)$ is divided by $(x + 3)$ the remainder is 37	
	(a) show that $p = 1$ and find the value of q	
		(6)
	(b) hence factorise $f(x)$ completely	(2)
	(c) show that the equation $f(x) = 0$ has only one real root.	
		(2)