Question number	Scheme	Marks
2 (a)	$f(1)=1+p+q=-12$	M1
	$p+q=-13$	A1
	$f(4)=64+4p+q=30$	M1
	$4p+q=-34$	A1
	$3p=-21$	M1
	$p=-7$ and $q=-6$	A1 (6)
(b)	$3^3-7\times3-6=27-21-6=0$ *	B1 cso (1)
(c)	$(x-3)(x^2+3x+2)$	M1
	$(x-3)(x+2)(x+1)$	M1 A1 (3)
(d)	$x=3$ $x=-2$ $x=-1$	B1 ft (1)
		[11]

	Notes
(a)	
M1	For substitution of 1 into f(x)
A1	For $p+q=-13$ oe
M1	For substitution of 4 into f(x)
A1	For $4p+q=-34$ oe
M1	For solving simultaneously
A1	$p=-7$ and $q=-6$
(b)	
B1cso	For substituting 3 into f(x) and obtaining the given result
(c)	
M1	For $(x-3)(x^2+3x+2)$
M1	For factorising the quadratic
A1	$(x-3)(x+2)(x+1)$
(d)	
B1ft	For $x=3$ $x=-2$ $x=-1$ or follow through part (c)