24	(a)	$-3\left(x^2-4x\right)+7$ or $-3\left(x^2-4x-\frac{7}{3}\right)$		4	M1	for factorising the expression to find b or $b = -3$ stated or shown clearly in answer.
		$-3\left[(x-2)^2 .....\right]$ or c = –2 $-3\left[(x-2)^2-4\right]+7$ or $-3\left[(x-2)^2-4-\frac{7}{3}\right]$			M1	or for c shown clearly in answer.
		$-3(x-2)^2+12+7$ or $-3\left[(x-2)^2-\frac{19}{3}\right]$			M1	fully correct method.
			$19-3(x-2)^2$		A1	for $19-3(x-2)^2$ oe
	(b)		(2, 19)	1	B1 ft	dep on M1 in part (a) answer must follow answer from (a) if given
						Total 5 marks

Alternative mark scheme for 24						
24	(a)	$a + bx^2 + 2bcx + bc^2$		4	M1	for multiplying out $a + b(x + c)^2$ to obtain $a + bx^2 + 2bcx + bc^2$ oe
		$b = -3$ or $2bc = 12$ or $a + bc^2 = 7$ oe			M1	for equating coefficients
		$b = -3$ and $c = -2$			M1	for correctly finding b and c
		$a = 19$	$19-3(x-2)^2$		A1	for $19-3(x-2)^2$ oe
	(b)		(2, 19)	1	B1 ft	dep on M1 in part (a)
						Total 5 marks