Q	Marking instructions	AO	Marks	Typical solution
5(a)	Obtains at least one of $4x^3y$, $6x^2y^2$ or $4xy^3$	3.1a	M1	$x^4 + 4x^3y + 6x^2y^2 + 4xy^3 + y^4$
	Obtains $x^4 + 4x^3y + 6x^2y^2 + 4xy^3 + y^4$	1.1b	A1	
	Subtotal		**2**	

Q	Marking instructions	AO	Marks	Typical solution
5(b)	Obtains $x^4 - 4x^3y + 6x^2y^2 - 4xy^3 + y^4$ FT their answer to **(a)** provided there are at least 3 terms May be unsimplified	1.1b	B1F	$x^4 - 4x^3y + 6x^2y^2 - 4xy^3 + y^4$
	Subtotal		**1**	

Q	Marking instructions	AO	Marks	Typical solution
5(c)	Subtracts their 5-term expressions in (b) from (a) to obtain an expression of the form $px^3y + qxy^3$	1.1a	M1	$x^4 + 4x^3y + 6x^2y^2 + 4xy^3 + y^4$ $-(x^4 - 4x^3y + 6x^2y^2 - 4xy^3 + y^4)$ $= 8x^3y + 8xy^3$ $= 8xy(x^2 + y^2)$
	Obtains $8xy(x^2 + y^2)$	1.1b	A1	
	Subtotal		**2**	

	Question 5 Total		**5**	