	BRACKETS					
YEAR	PAPER	QUESTION				
2014	1	Multiply out the brackets and collect like terms: $(2x-5)(3x+1)$ .	2			
2015	1	Multiply out the brackets and collect like terms $ (x-4)(x^2+x-2). $	3			
2015	2	A rectangular picture measuring 9 centimetres by 13 centimetres is placed on a rectangular piece of card.  The area of the card is 270 square centimetres.  There is a border $x$ centimetres wide on all sides of the picture.  [a) (i) Write down an expression for the length of the card in terms of $x$ .  (ii) Hence show that $4x^2 + 44x - 153 = 0$ .	1 2			
2016	1	2x + 1 $x + 8$ $3x$ $2(x + 5)$				
		<ul> <li>(a) Find an expression for the area of the rectangle.</li> <li>(b) Given that the area of the rectangle is equal to the area of the triangle show that x² - 2x - 8 = 0.</li> </ul>	, , 3			

2017	1	Expand and simplify $(2x+3)(x^2-4x+1)$ .	3
2018	1	Expand and simplify $(3x+1)(x-1)+2(x^2-5)$ .	3
2019	1	Expand and simplify $(x+5)(2x^2-7x-3)$ .	3
2022	2	Expand and simplify $(3x-2)(2x^2+5x-1)$ .	3