## Non-Calculator

Q1					
	Rearrange	$y = \frac{3x + 5}{x}$	to make <i>x</i> the subject	·.	
	You	must	show	your	working.
			Answer		
					(Total 3 marks
Q2		e subject of the	formuBay - p = h(2 + y)	)	
				, 	
			Answer		 (Total 4 marks

	Answer		
			(Total 3
Rearrange $p = r + $ Circle your answer.	3 to make the subject	ct.	
<i>r</i> = <i>p</i> + 3	r = p − 3	r = 3 - p	$r = \frac{p}{3}$
			(Total
	$v = \frac{8-3x}{x}$		
Make <i>x</i> the subject	$y = \frac{8 - 3x}{4x + 9}$		
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Q6		Simplify	y4 × y7							
										- - (1)
	(b)	Simplify	w12 ÷ w4							(1)
										- - (1)
	(c)	Rearrange	y = 3x +	2 to r	nake <i>x</i> 1	the subje	ect.			, ,
										-
									(Total 4	(2) I marks)
	You a		it $(2x+1)$		) ≡ 6 <i>x</i> 2	- 5 <i>x</i> + c				
		out the va	llues of $a,b$	and <i>c</i> . 						-
										-
										-
										-
							α =	b =	c =	
									(Total 4	marks)

Q8.		
Expa	and and simplify $(2x - 3y)(4x - 5y)$	
	Answer	
		(Total 3 marks)
Q9.	Expand and simplify $(3x + 2)(2x + 5)$	
	Answer	
(b)	Simplify fully $(3x2y4)2$	(2)
	Answer	
		(2) (Total 4 marks)

Q1	0.						
	Here is an identity	$(3x+c)(x+c) \equiv 3x2 - dx + 16$					
	c and d are integers. Work out all possible pairs of values of c and d.  You must show your working.						
		Answer					
		T)	otal 5 marks)				
Q1		(2x + 1)(3x + 4)					
		Anguar	<del></del>				
		Answer	 otal 3 marks)				

## **Calculator**

12.	4 – d			
Rearrange	$c = \frac{d}{d+3}$	to make <i>d</i> the subject.		
		Answer		 (Total 4 mark
				(10tal 4 Mari
13. Rearrange Circle your a	$2x = \frac{y}{w}$ nswer.	to make <i>w</i> the subject.		
$w = \frac{2y}{x}$		$w = \frac{2x}{y}$	$w = \frac{y}{2x}$	$w = \frac{x}{2y}$
				(Total 1 ma
14.	X o			
Rearrange	$y = \frac{x}{3} + 9$	to make <i>x</i> the subje	ect.	

(Total 2 marks)

Q1	5.		
	Expand and simplify	(2x+5y)(3x-8y)	
		 Answer	
		,e.,	(Total 3 marks)
Q1	6. Expand and simplify	(3x+y)(2x-5y)	
		Answer	
			(Total 3 marks)
Q1	7. Expand and simplify	(y + 5)(y - 4)	
		Answer	
			(Total 2 marks)