# **Non-Calculator**

$\sim$	-4	
	7	

		to make $x$ the subject.	
You <b>must</b> sh	now your work	ang.	
			_
		Answer	/Tatal 2
			(Total 3 ma
	ubject of the t	formula $3v - p = h(2 + v)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	ubject of the	formula $3y - p = h(2 + y)$	
	subject of the	formula $3y - p = h(2 + y)$	
	subject of the	formula $3y - p = h(2 + y)$	
Make y the s	subject of the	formula $3y - p = h(2 + y)$	
	subject of the	formula $3y - p = h(2 + y)$	

Make $h$ the subject of	2(h-y) = 5y + 3		
	Answer		-
			(Total 3 m
Rearrange $p = r + 3$ Circle your answer.	to make $r$ the subject.		
			p
r = p + 3	r = p - 3	r = 3 - p	$r = \frac{p}{3}$
			(Total 1 r
	$y = \frac{8 - 3x}{4x + 9}$		
Make x the subject of	$\frac{y}{4x} - \frac{1}{4x} + 9$		
			_
			_

(Total 4 marks)

Answer \_\_\_\_\_

Q6	<b>.</b> (a)	Simplify	$y^4 \times y^7$						
			Å	Answer					(1)
	(b)	Simplify	$W^{12} \div W^4$						( )
			A	Answer					(1)
	(c)	Rearrange	y = 3x + 2	to make $x$ t	he subject.				
			A	Answer					(2)
								(Total 4 ma	
Q7		are given th	at (2 <i>x</i> + 1)( <i>a</i>	$(x+b) \equiv 6x^2 - 9$	5x + c				
	Work	out the val	ues of $a, b$ and	<i>C</i> .					
						a =	b =	<i>c</i> = (Total 4 ma	arks)

<b>28</b> .		
Expa	and and simplify $(2x - 3y)(4x - 5y)$	
	Answer	(Total 3 mark
		(Total 3 Mark
(a)	Expand and simplify $(3x + 2)(2x + 5)$	
	Answer	
		(
(b)	Simplify fully $(3x^2y^4)^2$	
	Answer	
		) (Total 4 mark

Q1	0.			
	Here is an identity	$(3x + c)(x + c) \equiv 3x^2 - dx + 16$		
	$\boldsymbol{c}$ and $\boldsymbol{d}$ are integers.			
	Work out all possible You <b>must</b> show your	pairs of values of $\boldsymbol{c}$ and $\boldsymbol{d}$ . working.		
		Answer		
			(Total 5 mark	(S)
Q1		(2x + 1)(3x + 4)		
		()()		

Page	5	οf	7

Answer \_\_\_\_

(Total 3 marks)

### **Calculator**

## Q12.

Rearrange  $c = \frac{4-d}{d+3}$  to make d the subject.

Answer \_\_\_\_\_

(Total 4 marks)

### Q13.

Rearrange  $2x = \frac{y}{w}$  to make w the subject. Circle your answer.

$$w = \frac{2y}{x}$$

$$w = \frac{2x}{v}$$

$$w = \frac{y}{2x}$$

$$w = \frac{x}{2y}$$

(Total 1 mark)

### Q14.

Rearrange  $y = \frac{x}{3} + 9$  to make x the subject.

Answer

(Total 2 marks)

Q1	5.		
	Expand and simplify	(2x+5y)(3x-8y)	
		Answer	 (Total 3 marks)
			(rotaro mamo)
Q16	<b>6</b> .		
	Expand and simplify	(3x+y)(2x-5y)	
		Answer	
			(Total 3 marks)
Q17	7.		
	Expand and simplify	(y + 5)(y - 4)	
		Answer	

(Total 2 marks)