Q1.	(a)	Expand and simplify $(x + 5)(x + 9)$	
		Answer	(2)
	(b)	Factorise fully $5x^2 - 10xy$	
		Answer(To	(2) tal 4 marks)
Q2.	(a)	Expand and simplify $(2x + 1)(x - 3)$	
		Answer	(2)
	(b)	Factorise $y^2 + 2y - 24$	
		Answer	(2)

	(c)	Simplify	(2xy³)°							
			Answ	er				(1	Γotal 6 maι	(2) rks)
Q3. Y			(2x + 1)0 lues of a, b 3	$(ax + b) \equiv 6x^2$ and c .	² - 5 <i>x</i> + <i>c</i>					
					<i>a</i> =	b =	c =		Гotal 4 maı	rks)
Q4. [lify (2 <i>x</i> -	– 3y)(4x – 5y)					
				er					Γotal 3 maı	rks)

Q5. (a	a)	Expand and simplify $(3x + 2)(2x + 5)$	
		Answer	(2)
	(b)	Simplify fully $(3x^2y^4)^2$	
		Answer	(2) Total 4 marks)
Q 6.	Exp	and and simplify $(2x + 1)(3x + 4)$	
		Answer(Total 3 marks)
Q7. (8	a)	Multiply out and simplify $(x - 6)(x - 5)$	

			Answer	(2)
	(b)	Simplify fully	$2a^2b^3\times 4a^5b^6$	
			Answer	(2) (Total 4 marks)
				,
Q8. ⊢			$3x + c(x + c) \equiv 3x^2 - dx + 16$	
	c and	d d are integers.		
		out all possible must show your	pairs of values of \boldsymbol{c} and \boldsymbol{d} . working.	
	•••••			
	•••••		Answer	
			Allowel	(Total 5 marks)

Q9.Expand and simplify (3x + y)(2x - 5y)

	Answer	(Total 3 marks)
Q10. (a)	Expand and simplify $(2x + 1)(x - 2)$	
	Answer	. (3)
(b)	Factorise fully $3x^2 - 48y^2$	
	Answer	(3) (Total 6 marks)
Q11. The	e diagram shows a rectangle.	
	(x - 5) cm	
	(x + 4) cm	

ine	area of the rectangle is 90 cm ² .	
Set	up and solve a quadratic equation to work out the value of x .	
	<i>x</i> =cm	(Total 5 marks)
Q12. (a)	Expand and simplify $(x + 6)^2$	
	Answer	
		(2)
(b)	Expand and simplify $9w(3x - 4y) - 5w(x + y)$	
	Answer	
		(4) (Total 6 marks)