Non-Calculator

Q1.			
	A fo	otball team has <i>P</i> points.	
		P = 3W + D	
		the number of wins the number of draws	
	(a)	A team has 6 wins and 2 draws.	
		How many points does the team have?	
		Answer	(1)
	(b)	After 33 games a different team has 53 points. 11 games were draws.	
		How many games has this team lost?	
		Answer(Total 5 m	(4) (2)

Q2.	Here is a formula.				
	$V = \frac{1}{2}x^2h$				
	Work out the value	of V where = 11 and	h = 6		
		////SWC1		(Total	 2 marks)
Q3.		4(2 <i>x</i> + 3 <i>y</i>) when	x = 8 and y = -3		
					 2 marks)
Q4	Solve 4x – 5 = 17				
		x =		 (Total	 2 marks)
Q5.				(1232)	
	Solve $x - 3 = 0$				
	Circle your answer.				
	<i>x</i> = −3	<i>x</i> = 0	$x = \frac{1}{3}$	<i>x</i> = 3	

(Total 1 mark)

Q6.	0.1	2 44		
(a)	Solve	<i>x</i> − 3 = 14		
		x =	 	
				(1)
(b)	Solve	5 <i>y</i> = 45		
		y =	 	
				(1)
(c)	Solve	8 + w = 6		
		vv –	 ·	(1)
			(Total 3 m	narks)
Q7.		5 0 0(0)		
(a)	Solve	5x + 3 = 3(x + 2)		
<i>a</i> >				(3)
(b)		16) + 4(x - 5) simplifies to		
	Work	but the values of α and b		
			, b =	
		^	 , ~ =	(3)

(Total 6 marks)

Calculator

Q8.

Solve 12x = 3

Circle your answer.

$$x = -9 x = \frac{1}{4}$$

x = 4 x = 36

(Total 1 mark)

Q9.

Solve
$$4x - 3 = 14$$

Q10.

(a) Factorise
$$x^2 - y^2$$

Answer ______

(b) Solve $\frac{2x}{5} + 1 = 13$

 $X = \underline{\hspace{1cm}}$ (3)

(Total 4 marks)

(1)

_	value of x can be 2 or 5 value of y can be 3 or 12	
(a)	List the possible values of xy	
	Answer	(2)
(b)	Work out the least possible value of $\frac{x-y}{x}$ You must show your working.	``
	Answer	
		(2 Total 4 marks)
Q12.		
•	cout the value of $5x + 9y$ when $x = 7$ and $y = -2$	
	Answer	
	,	(Total 2 marks
Q13.		
Circ	e the equation which has the solution $x = 6$	
One		

(Total 1 mark)