Algebra: Quadratics, Rearranging Formulae and Identities
Non-Calculator 10 minute test 2

Q	Answer	Mark	Comments
1(a)	$2xy - 3y^3$	B2	o.e. B1 for one term correct, including correct sign OR B1 for both terms correct <u>but</u> signs incorrect.
1(b)	$x(8 + 3x)$	B1	

Q	Answer	Mark	Comments
2(a)	a^9	B1	
2(b)	a^3	B1	
2(c)	a^{18}	B1	

Q	Answer	Mark	Comments
3	$(x \pm 5)(x \pm 3)$	M1	Factorises with correct numbers
	$(x + 5)(x - 3)$	A1	

Q	Answer	Mark	Comments
4	$y^2 - 3y + 4y - 12$	M1	Expands brackets to give four terms. Allow one error.
	$y^2 + y - 12$	A1	

Q	Answer	Mark	Comments
5	$ax - cx = by - dy$	M1	Isolates x terms on one side of the formula
	$x(a - c) = by - dy$	M1	Factorises
	$x = \dfrac{by - dy}{a - c}$	A1	Divides by the bracket to get the answer oe