## **Substitution Past Paper Questions (MS)**



Q1.

Paper 1MA1:3F							
Working	Answer	Notes					
	38 15	B1 cao P1 (47-2) ÷ 3 A1 cao					
	The second second	Working Answer					

**Q2.** 

Que	estion	Working	Answer	Mark	
			3	2	M1 for substitution eg 2 <sup>3</sup> – 5 or 8 – 5 A1 cao

Q3.

Question	Working	Answer	Mark	Notes	
(i)		Explanation	C1	e.g. has multiplied before squaring	
(ii)		Explanation	C1	e.g. evaluated (-4) <sup>2</sup> incorrectly, or not correctly inserted brackets.	

Q4.

Question	Working	Answer	Mark	Notes
		26	2	M1 for correct substitution into expression 4×5 + 2 ×3 A1 cao

Q5.

Question	Answer	Mark	Mark scheme	Additional guidance
	35	M1	for 4 × 8 (=32)	Award this mark if used ambiguously eg $4 \times 8 + 3 = 4 \times 11$ as long as $4 \times 8$ is stated
		A1	cao	Self County Service Self-Media Andrews

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Q6.

Question	Working	Answer	Mark	Notes
	2×4×4+7=32+7=39	39	2	M1 for 2 × 4×4 or 2× 16 A1 cao

**Q7.** 

PAPER: 1MA0_2H								
Question	Working	Answer	Mark	Notes				
		2.064(285714)	2	M1 for substitution of 0.7 into expression or				
				2.89 or 2.06 seen				
				A1 for 2.064(285714) or $\frac{289}{140}$				

**Q8.** 

Question	Working	Answer	Mark	Notes	
(a)		38 or 39	M1	for substitution, e.g. 5 × 1.25 + 32 (= 38.25)	
			A1	for 38 or 39	
(b)		8	M1	for use of inverse operations, e.g. (42 – 32) ÷ 1.25	
				or presentation as an equation e.g. $1.25 \times x + 32 = 42$	
			A1	cao	

**Q9.** 

Question	Working	Answer	Mark	Notes
		355	M1	for substitution, e.g. $\pi^2(10^2 - 8^2)$
			A1	for 355 (accept 355.3)

Q10.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	330	M1	for 4 × 70 + 50 oe	May be seen as sum of four 70s and a 50 $n \times (70 + 50)$ or ambiguous working gets 0 marks
		A1	cao	
(b)	9	M1	for use of inverse operations eg $(680 - 50) \div 70$ OR rearranges an equation to solve eg 70x + 50 = 680 rearranged to isolate x term. OR ft (a) eg ((680 – "330") ÷ 70) + 4	Need not have brackets; can be written in an incorrect order if the intention is clear A correct but embedded answer gets 1 mark
		A1	cao or ft their (a)	

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