

WANDOOR GANITHAM - S S L C UNIT TEST 2021

7.10AE

POLYNOMIALS – ANSWER KEY

Qn no.	Key	Score	
1	a) $(x-1)$ or $(x-3)$	1	2
	b) $(x-1)(x-3)$	1	
2	a) $2^2 - 11 \times 2 + 8 = -10$	1	2
	b) 10	1	
3	a) $a - b + c$	1	2
	b) $a - b + c = 0$	1	
4	a) $5^2 - 25 = 0$	1	3
	b) $(x+5)(x-5)$	1	
	c) $(7x+5)(7x-5)$	1	
5	a) $3^2 - 7 \times 3 + k = -12 + k$	1	3
	b) 12	1	
	c) $(x-3)(x-4)$	1	
6	a) $1^2 - 9 \times 1 + 18 = 10$	1	4
	b) $(x-1)$	1	
	c) $x^2 - 9 \times x + 18 - 10 = x^2 - 9 \times x + 8$	1	
	$(x-1)(x-8)$	1	

7	a) $a+b=14$	1	4
	b) $ab=48$	1	
	c) $a=8$, $b=6$	1	
	$(x-8)(x-6)$	1	

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