

WANDOOR GANITHAM - S S L C UNIT TEST 2021

3.04AE

SECOND DEGREE EQUATIONS -ANSWER KEY

Qn no.	Key	Score	
1	a) $6^2=36$	1	3
	b) $(x+6)^2=100$	1	
	$x=10-6=4$	1	
2	a) $x^2+2x+1=256$	1	3
	b) $x+1=\pm 16$	1	
	$15, 17$	1	
3	a) $(x+3)^2=400$	1	3
	b) $x+3=\pm 20$	1	
	17	1	
4	a) $x^2+6x+9=225$	1	3
	b) $x+3=\pm 15$	1	
	$12, 18$	1	
5	a) $x^2+4x=320$	1	4
	b) $x^2+4x+2^2=320+2^2$	1	
	c) $x+2=\pm 18$	1	
	$16, 20$	1	
6	a) $\frac{40}{2}=20$	1	4
	b) $10^2-x^2=96$	1	
	c) $x=\pm 2$	1	
	$12, 8$	1	