

KENDRIYA VIDYALAYA NDA,PUNE
SUB: MATHEMATICS PERODIC TEST-I(2018-19) CLASS: X
Marking Scheme (SET-A)

Q.No	Value Points	Marks
1	LCM=22338	1
2	$\alpha+\beta=3/2, \alpha\beta=7/2, \text{correct answer}=3/7$	0.5 each
3	For condition $a_1/a_2=b_1/b_2$	0.5
	K=1	0.5
4	d=6	1
5	Finding AP=2,4,6.....	1
	a ₁₈ =36	1
6	For condition D=0	0.5
	Finding p=2 or -2	1.5
7	For finding value $x=8/5, y=1/5$	1 mark each
8	For finding a=2,b=-7,c=3	0.5 each
	For correct polynomial $2x^2-7x+3$	0.5
9	Finding a=14, an=98	1
	n=13 S _n =728	1 mark each
10	For solving correct solution $2+\sqrt{3}, 2-\sqrt{3}$	3
11	A+C=180,B+D=180	0.5
	For x=35,y=45	1.5
	A=37,b=48,C=143,D=132	1
12	For correct proof	3
13	For finding correct sides 10,24,26	4
14	For correct points	1 +1
	For correct graph	1.5
	For Correct area=6.6 sq.cm	0.5
15	For finding Q.equation x^2-2	1
	For correct quotient $2x^2-3x+1$	2
	For other two zeros 1,1/2	1
16	For statement	1
	For figure	1
	For correct proof	2

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SUB: MATHEMATICS PERODIC TEST-I(2018-19) CLASS: X
Marking Scheme (SET-B)

Q.No	Value Points	Marks
1	$d=6$	1
2	$\alpha+\beta=3, \alpha\beta=2$	0.5 each
3	For condition $a_1/a_2 \neq b_1/b_2$	0.5
	$k \neq 8/7$	0.5
4	$a=20$	1
5	Finding AP=3,-1,-5....	1
	$S_{10}=-150$	1
6	For condition $D < 0$	0.5
	Finding $p < \sqrt{8/9}$	1.5
7	For finding value $x=32/12, y=9/13$	1 mark each
8	For finding $a=3, b=10, c=-8$	0.5 each
	For correct polynomial $3x^2+10x-8$	0.5
9	Finding $a=12, a_n=48$	1
	$n=13, S_n=390$	1 mark each
10	For correct ages 42,12	3
11	$A+C=180, B+D=180$	0.5
	For $x=30, y=40$	1.5
	$A=37, b=48, C=143, D=132$	1
12	For correct proof	3
13	For finding correct speed=2km/h	4
14	For correct points	1 +1
	For correct graph	1.5
	For Correct area=7.5 sq.cm	0.5
15	For correct value of $g(x)=x^2-2x+3$	4
16	For correct figure	1
	For correct proof	3