

INDIAN SCHOOL DARSAIT DEPARTMENT OF MATHEMATICS



Subject : Mathematics		Topic : Algebraic Expressions	Date of W	Date of Worksheet :25/8/2019	
Resource Person: Mrs Geetha Girish Date :					
Name of the Student : Class & Division : Roll Numb					er :
S.No.	Section A(Basic Skills)			Marks	
1	Subtraction of m from n				1
2	Identify the terms in the expression $2ab - 3a^2b + 12a$				1
3	Coefficient of x in -9xy ² z				
	Section B				
4	Find the value of 2x ² -3x +5 when x=-2				2
5	Add				2
	a) 2ab-3a +6a ² ;-3ab +10a- 12a ²				
	b) -4lm +5n ; -lm	+5n; 9lm-2n			
6	Subtract a) 3x ³ -4xy +5 fro	m -6x ³ - 3xy -7			2
7	b) -6a-3b+c from	-2a + 3b + c	htain $2x^2$ $2xy + 4x^2$		
/		u to 7x +5xy+y to o	Dtaill 2x - 5xy +4y		2
8	i) For a=1 ,b=2,find the value of 2(a+b) ² -9(a+b)-5				
	ii) Find the value	x ³ - y ³ -6xy +8 for x=-	2, y=-1		3
9	Simplify the expression and find its value when a=5 and b=-3 2(a ³ +ab) +3-ab			3	
10	From the sum of 7x -2y+5z and -3x+4y-z subtract 9x-y+3z			3	
11	The length of the side of a square is given as 3x+5. Find the expression which represents the perimeter of a square.			3	
		Section C (He	ot Questions)		
12	What expression must be added to 85x ³ -27x ² -18x-34 that makes the sum zero?			3	

13	Rohan's mother gave him Rupees $3xy^2$ and his father gave him Rupees $5(xy^2+2)$.Out of this total money he spent Rupees $(10 - 3xy^2)$ on his birthday party. How much money is left with him?	
14	Each symbol given below represents an algebraic expression.	3