



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic : Algebraic Equations(3)	Date of Worksheet : _____
Resource Person: Mrs Bhavya Vijelesh		Date : _____
Name of the Student : _____	Class & Division : _____	Roll Number : _____

S.No.	Section A(Basic Skills)	Marks
1	Write an algebraic expression for each of the following: (a) Suman is 7 years younger to his brother Aman. (b) Diameter of a circle is twice the radius. (c) Successor of a natural number n.	2
2	Find the solution for the equations: (a) $5m = 6$ (b) $p - 5 = 5$ (c) $n + 12 = 20$ (d) $\frac{q}{2} = 7$	1
<b>Section B</b>		
3	Write down the terms of the expression $-15x^3y + \frac{3}{5}x^2yz - 5xyz + \frac{1}{11}$	1
4	Find out the terms containing x and write the coefficient of x in the expression $16y^2 - 3xy + 6x + 11$	1
5	Group the like terms together from the following. (a) $Cab^2, a^2bc, b^2ac, c^2ab, ab^2c, abc, acb^2$ (b) $Xy^2, -x^2y, 2y^2x, 3yx^2$	1
6	Classify the following algebraic expressions as monomial, binomial, trinomial. (a) $15x^2y$ (b) $5xy - 11yx$ (c) $16x^3 + 3x^2 - 4x$ (d) $11x - 7 + 13x - 5$	1
7	Add: (a) $3x + 15y, -7x + 5y - 6$ and $-7y + 2x - 11$ (b) $-x^2 - xy - y^2, 4y^2 + 2x^2 - 3xy$ and $7xy$	2
8	Subtract: (a) $110x - 45$ from $100 - x$ (b) $5x^2 + 7 + 6x - 5x^2$ from $3x^3 - 9x - x^2$	2

