



ST. LAWRENCE HIGH SCHOOL

TOPIC – Polynomials

Sı	ibject : Mathematics	Class-9	First term	F. M. 15
WORKSHEET NO 17		Solutions		Date: 20.03.2021
Q.1)	Choose the correct option:			(1x15=15)
ii)	Which of the followings is a poly c) $\sqrt{2} x^2 - 3\sqrt{x} + 6$ Which of the followings is a poly a) x - 1 Which of the followings is a line b) x + 1	ynomial?		
 iv) Which of the followings is a second degree polynomial? d) x² + 5x + 6 				
v)	The degree of the polynomial \sqrt{d}	<u>3</u> is		
vi)	If the polynomial $x^3 + 6x^2 + 4x + c$) -8	k is divisible by (x + 2), th	en the value of k is	
vii) In the polynomial f(x) if f($-\frac{1}{2}$) = 0, then the factor of f(x) will be				
 b) 2x + 1 viii) (x − 1) is factor of the polynomial f(x) but it is not the factor of g(x). So (x − 1) will be a factor of a) f(x)g(x) 				
ix)	(x+1) is a factor of the polynomi a) n is a positive odd integ			
x)	If $n^2 - 1$ is a factor of the polyno a) $a + c + e = b + d$	mial an ⁴ + bn ³ + cn ² + dn	+ e <i>,</i> then	
xi)	Which of the following expression b) x + 4	ons is linear polynomial?		
xii)	Which of the following is a quad c) $x^2 + 3x + 5$	Iratic polynomial?		
xiii)	The polynomial $x^2 - x - 12$ is b) divisible by x+3			
xiv)	x+3 is a factor of $x^3 + 6x^2 + 12 x$	+ k, if k is equal to		
xv)	c) 9 If 30 is the remainder when x ³ + d) 4	$3x^2 + 3x + a$ is divided by	x - 2, then the value	of a will be

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