Topic: Polynomails Worksheet No. : 5



1. If x + y = 3, $x^2 + y^2 = 5$, then xy is (a) 1 (b) 3 (c) 2 (d) 5 2. If x+2 is a factor of x^3-2ax^2+16 , then value of a is (a)3 (b)1 (c) 4 (d) 2 3. If one of the factor of $x^2 + x - 20$ is x + 5 , find the other. (b) x+2 (c) x+4 (d) x+5(a) x - 74. Identify the polynomial. (a) $x^{-2} + x^{-1} + 5$ (b) $x^2 + 5\sqrt{x+7}$ (c) $\frac{1}{x^3} + 7$ (d) $3x^2 + 7$ 5. If $x^3 - 6x^2 + ax + b$ is exactly divisible by $x^2 - 3x + 2$, then 12a + 22b =? (b) 1 (c) 2 (d) 3 (a) 0 6. The value of the polynomial $7x^4 + 3x^2 - 4$ when x - 2 is: (a) 100 (b) 110 (c) 120 (d) 130 7. The zero of the polynomial p(x) = 9x + 9 is: (a) 0 (b) -9 (c) -1 (d) 1

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8. If $y^{97}+97$ is divided by $y+1,$ the remainder is:			
a) 0	(b) 1	(c) 95	(d) 96
9. The value of $99^2 - 98^2$ is:			
(a) 1	(b) 197	(c) 178	(d) 207
(a) 1			(u) 207
10. One of the factors of $(1 + 7x)^2 + (49x^2 - 1)$ is:			
			(1) - (
(a) x - 7	(b) 7 $-x$	(C) $7x - 1$	(d) $14x$

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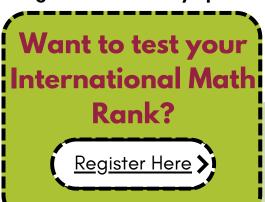


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