

Mathematics 9th Class English Medium Unit 4 Online Test

Sr	Questions	Answers Choice
1	What will be added to complete the square of $9a^2 - 12ab$?	A. $-16b^2$ B. $16b^2$ C. $4b^2$ D. $-4b^2$
2	Factors of $x^4 - y^4$	A. $(x-y)(x+y)(x^2+y^2)$ B. $(x-y)(x^2+y^2)$ C. $(x-y)(x+y)(x^2-y^2)$ D. $(x+y)(x^2+y^2)$
3	Factors of $3x^2 - x - 2$ are	A. $(x+1)(3x-2)$ B. $(x+1)(3x+2)$ C. $((x-1)(3x-2)$ D. $(x-1)(3x+2)$
4	The factors of $x^2 - 5x + 6$ are	A. $x+1, x-6$ B. $x-2, x-3$ C. $x+6, x-1$ D. $x+2, x+3$
5	The degree of quadratic polynomial is	A. 1 B. 2 C. 3 D. -2
6	One of factors of $x^3 - 27$ is	A. $x-3$ B. $x+3$ C. $x^2 - 3x + 9$ D. Both a and c
7	Cubic polynomial has degree	A. 1 B. 2 C. 3 D. 4
8	Factorization of $x^3 + 3x^2 + 3x + 1$ is	A. $(x+1)^3$ B. $(x-1)^3$ C. $(x+1)(x^2+x+1)$ D. $(x-1)(x^2-x+1)$
9	The LCM of $(a-b)^2$ and $(a-b)^4$	A. $(a-b)2$ B. $(a-b)3$ C. $(a-b)4$ D. $(a-b)6$
10	The square root of $x^2 - 6x + 9$ is	
11	Product of LCM and HCF = of two polynomial	A. Sum B. Difference C. Product D. Quotient
12	The LCM of $16x^2$, $4x$ and $30xy$ is	A. $480x^3y$ B. $240xy$ C. $240x^2y$ D. $120x^4y$
13	The HCF of a^3b^3 and ab^2 is	A. a^3b^3 B. ab^2 C. a^2b^2 D. a^2b
14	The factors of $4x^2 - 12y + 9$ are	A. $(2x+3)^2$ B. $(2x-3)^2$ C. $(2+3x)(2-3x)^2$ D. $(2x-3)(2x+3)$
15	The factorization of $12x + 36$ is	A. $12(x+3)$ B. $12(3x)$ C. $12(3x+1)$ D. $x(12+36x)$