General Math 10th Class English Medium Unit 1 Online Test

Sr	Questions	Answers Choice
1	Conjugate binomial surd of $a + b\sqrt{x}$ is	A. $a + bx$ B. $a - b\sqrt{x}$ C. $\sqrt{a} + \sqrt{bx}$ D. $a - bx$
2	Which of the following is a pure surd?	A. $4\sqrt{3}$ B. $5\sqrt{7}$ C. $1/7\sqrt{3}$ D. 4
3	An irrational number that contains a radical sign is called:	A. Polynomial B. surd C. equality D. inequality
4	The symbol " i.e " stands for:	A. therefore B. because C. that is D. correspondence
5	if $x2 = a$, then:	A. $x = a$ B. $x = \pm a$ C. $x = \sqrt{a}$ D. $x = \pm\sqrt{a}$
6	if $a + b = 8$ and $a - b = 3$, then $ab = ?$	A. -40 B. 24 C. 18 D. 8
7	$2(a2 + b2) = ?$	A. $(a2 + b2) - 4ab$ B. $(a + b)2 + (a - b)2$ C. $(a + b \div c)2$ D. $(a + b)2 - (a - b)2$
8	if $P(x) = 4x3 + 3x2 + 5x + 1$, then $P(1)$ as:	A. 13 B. 15 C. 17 D. 19
9	$x + 5/x2 - 6x - x/x - 6 = ?$	A. $5 - x - x2/x2 - 6x$ B. $5 + x - x2/x2 - 6x$ C. $5 + x - x2/x2 + 6x$ D. $x2 - 6x/5 + x - x2$
10	Which of the following expression is not a rational expression?	A. $3\sqrt{x} + 1/3\sqrt{x} + 1$ B. $x3 + 1/x + 1$ C. $x + 1/3x3 + x2 + 3$ D. $2x2/3y3$
11	Which of the following is a proper rational expression?	A. $2x3 + 3x2 + 3/x2 + x + 3$ B. $3x2 + 4x + 5/2x^4 + 1$ C. $x3 + 8/x + 1$ D. $2\sqrt{x} + 3/2\sqrt{x} - 3$
12	An expression which can be written in the form of $P(x)/Q(x$, $Q(x)\neq0$, Where $P(x)$ and $Q(x)$ are polynomials in "x" is called a:	A. irraational expression B. rational expression C. proper rational expression; D. improper rational expression
13	Type of algebraic expressions are:	A. Polynomial , Rationa expression B. Rational expression, irrational expression C. irratioanal expressional , Polynomial D. Polynomial , Rational expression , Irational expression
14	The lowest term of $8x2y2/12xy5$ is:	A. $2x2/3y3$ B. $3x3/2y2$ C. $3x2/2y3$ D. $4c2/9y3$
		A. Polynomial

15 An expression which involves numbers and letters together with operational signs is called: B. Algebraic expression
C. rational expression
D. Irrational expression