

Algebric Formulas And Applications

Sr	Questions	Answers Choice
1	if $x2 = a$, then:	A. $x = a$ B. $x = \pm a$ C. $x = \sqrt{a}$ D. $x = \pm \sqrt{a}$
2	Which of the following is a pure surd?	A. 4√3 B. 5√7 C. 1/7√3 D. 4
3	$x + 5/x^2 - 6x - x/x - 6 = ?$	A. 5 - x - x2/x2 -6x B. 5 + x - x2/x2 -6x C. 5 + x - x2/x2 +6x D. x2 - 6x/5 + x - x2
4	An expression which involves numbers and letters together with operational signs is called:	A. Polynomial B. Algebraic expression C. rational expression D. Irrational expression
5	The lowest term of 8x2y2/12xy5 is:	A. 2x2/3y3 B. 3x3/2y2 C. 3x2/2y3 D. 4c2/9y3
6	if a + b =8 and a-b =3, then ab = ?	A40 B. 24 C. 18 D. 8
7	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. $2x2/3y3$
8	2(a2 + b2) = ?	A. (a2 + b2) -4ab B. (a + b)2 + (a - b)2 C. (a + b + c)2 D. (a + b)2 - (a - b)2
9	An expression which can be written in the form of $P(x)/Q(x$, $Q(x)\neq 0$, 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
10	if $P(x) = 4x3 + 3x2 + 5x + 1$, then $P(1)$ as:	A. 13 B. 15 C. 17 D. 19
11	The symbol " i.e " stands for:	A. therefore B. because C. that is D. correspondence
12	Conjugate binomial surd of a + b \sqrt{x} is	A. a +bx B. a - b√x C. √a + √bx D. a - bx
13	An irrational number that contains a radical sign is called:	A. Polynomial B. surd C. equality D. inequality
14	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. $2\sqrt{x} + 3/2\sqrt{x} - 3$
15	Type of algebraic expressions are:	A. Polynomial , Rationa expression B. Rational expression, irrational expression C. irratioanal expressional ,

Polynomial D. Polynomial , Rational expression , Irational expression