

Algebraic Manipulation

Sr	Questions	Answers Choice
1	The solution set of absolute equation $ x - 3 = 5$ is:	A. (2,8) B. (-2,8) C. (-2,-8) D. (2,-8)
2	Root which are not the solution of the original equation but they are obtained in the solution are called:	A. Real roots B. extraneous roots C. constants D. variable solvents
3	The solution set of $x - 7 < 5 - 2x$ is:	A. $x > 4$ B. $x = 4$ C. $x < 4$ D. $x \leq 4$
4	for any three numbers x, y and z if $x > y$ and $y > z$ then:	A. trichotomy property B. transitive property C. additive property D. multiplicative property
5	Any value of the variable which makes the equation a true statement is called the:	A. equation B. inequality C. variable D. solution
6	The quadratic form of $x - \frac{5}{2}x = x - \frac{4}{3}$ is:	A. $2x^2 - 11x + 15$ B. $2x^2 - 15x + 11$ C. $2x^2 - 22x + 15$ D. $2x^2 + 11x - 15$
7	Any term of an equation may be taken to the other side with its sign changed without affection the equation is called:	A. factorization B. surd C. transposition D. transformation
8	If $a \times b = 0$ then $a = 0$ or $b = 0$ (both a and b equal to zero) is called:	A. solution of equation B. law of indices C. law of null factor D. law of inverse
9	The symbol '>' stand for:	A. greater than B. less than C. less then or equal to D. greater than or equal to
10	Question Image	
11	Question Image	
12	A father's age 4 times of his son's age. if the age of son is 20 year's then the age of father is:	A. 60 B. 80 C. 100 D. 40
13	An equation that can be written in the form $ax + b = 0$, $a \neq 0$ where a and ab are constants and x is variable is called:	A. linear equation B. liner inequality C. cubic equation D. quadratic equation
14	Factor of $x^3 - 4x - 77 = 0$ are:	A. (11, -7) B. (11, 11) C. (11, 7) D. (-7, 7)
15	Two liner algebraic expressions joined by an inequality symbol such as $>$, $<$, $>=$, $<=$ is called:	A. liner equation B. liner inequality C. absolute value equation D. order relation