MTH100

General Math

Quiz no 1

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MTH100 QUIZ 1 SOLUTION 2024 BY MATH ZONE FOR VU

1. [a b c] is a row matric
2. Cardinality of the Intersection of A={0,1,2} and B={1,2,3 } is ……. 2
3. The graph of function: f(x)=1-x.x will have least one ----. Maximum
4. Domain of the function:f(x)=1/(1-x) is ---------. All Real numbers except 1
5. Theconjugateofthecomplexnumber3−7i is−−−−. 3+7i
6. Which of the following is the real part of complex number: z = i? 0
7. If f(x)=x-1 and g(x)=1-x, then the composition:(fog)(x) = ----------x
8. Two matrices A and B are added ifv both have same order
9. f(x) = 1-x is an example of ---------. neither even nor odd.
10. The multiplicative inverse of a matrix A is adj A/DET A
11. Inverse of the function f(x)=3 doesn't exist due to which of the following reason? Odd function
12. Domain of the function: f(x)=1-x is ---------.
13. Two matrices of same order can be added and subtracted
14. For the Complex numbers: "z = i and w = (1/i) ", the difference: z-w = ----------. 2i
15. Cardinality of the union of A={0,1,2} and B={1,2,3} is ……. 4
16. The Graph of function:f(x) = 1-x.x would be a---------. Parabola
17. Distance of the complex number: "z = -4-3i" from the origin is …… units. 5

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18. The number “1.256256256256…” is an example of -------- number. Rational number
19. If A = {1, 2, 3} and B = {2, 3, 4} then …… Union of A and B has 4 elements
20. Matrices obtained by changing rows and columns is called transpose
21. f(x)=4 is an example of----------. Even function
22. R ange of the function: f(x)=(1/x) is ---- All Real numbers except 0
23. Two matrices A and B are multiplied to get BA ifSelect the correct option columns of A is equal to number of columns of B
24. Which of the following expression is true ?Select the correct option NONE
25. Iff(x)=x2andg(x)=1/x,thenfog(x)= 1/X^2
26. If the order of matrix A is 2×3 then what should be the order of matrix B such that addition of matrices A and B is possible. 2×3
27. If f(x)=x and g(x)=1-x, then the product:(f.g)(x) = ---------- X-X.X
28. Range of the function:f(x)=1-x is ---------. All Real numbers
29.

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