

AP Inter 1st Year Mathematics 1A Answer Key 2025

Section A Question I

Question	Answers
1. Find the domain of the real valued function $f(x) = 1/\sqrt{1}$ - x^2	x=-1 and $x=1$
2. If A = {1,2,3,4} and f: A \rightarrow R is a function defined by $f(x) = x^2 - x + 1/x = 1$, the find the range of f.	Range of f= 1/2, 1, 7/4, 13/5
3. Find the cofactors of the elements 2,-5 [-1,0,5/ 1, 2, -2/ -4, -5, 3	Cofactors= 17, 3
4. Find the value of x,y, z and a	x=2, y=8, z=5 and a=5
5. Find a vector in the direction of vector a i 2j that has magnitude 7 units	a= 1/(5)^1/2 [1î+2j]
6. Find the vector equation of the line joining the points $2i+j+3k$ and $-4i+3j-k$	r=(1-t)(2i+j+3k)+t(-4i+3j-k)
8. Find the maximum and minimum value of 3 sinx - 4cosx	maximum value 5 and minimum value -5

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