

KCET-2015-Set-A-1
Questions – Mathematics

1. $f(x) = \frac{1}{2} - \tan\left(\frac{\pi x}{2}\right) \quad -1 < x < 1$ and $g(x) = \sqrt{(3 + 4x - 4x^2)}$.

Find the domain of $(f + g)$.

(1) $\left[-\frac{1}{2}, 1\right)$

(2) $\left(-\frac{1}{2}, 1\right]$

(3) $\left[\frac{-1}{2}, \frac{3}{2}\right]$

(4) $(-1, 1)$

2. Write the set builder form $A = \{-1, 1\}$

(1) $A = \{x : x \text{ is a real number}\}$

(2) $A = \{x : x \text{ is an integer}\}$

(3) $A = \{x : x \text{ is a root of equation } x^2 = 1\}$

(4) $A = \{x : x \text{ is a root of equation } x^2 + 1 = 0\}$

Mathematics N1 2014 Question Paper

Camilla Rothe



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