

Subject – Math AA(Higher Level)
Topic - Functions
Year - May 2021 – Nov 2022
Paper -1
Questions

Question 1

[Maximum mark: 5]

The functions f and g are defined such that $f(x) = \frac{x+3}{4}$ and $g(x) = 8x + 5$.

- (a) Show that $(g \circ f)(x) = 2x + 11$. [2]
(b) Given that $(g \circ f)^{-1}(a) = 4$, find the value of a . [3]

Question 2

[Maximum mark: 5]

The following diagram shows the graph of $y = f(x)$. The graph has a horizontal asymptote at $y = -1$. The graph crosses the x -axis at $x = -1$ and $x = 1$, and the y -axis at $y = 2$.



On the following set of axes, sketch the graph of $y = [f(x)]^2 + 1$, clearly showing any asymptotes with their equations and the coordinates of any local maxima or minima.

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Physics Briefs, 1988

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Springer Handbook of Automation Shimon Y. Nof, 2023-06-16 This handbook incorporates new developments in automation It also presents a widespread and well structured conglomeration of new emerging application areas such as medical systems and health transportation security and maintenance service construction and retail as well as production or logistics The handbook is not only an ideal resource for automation experts but also for people new to this expanding field

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accept responsibility for its own decline while maintaining hope that resurrection is still possible The church as Canadians may know it might disappear but for Christians death has never been the end of the story Reviews in Partial Differential Equations, 1980-86, as Printed in Mathematical Reviews ,1988 **Computers and Their Role in the Physical Sciences** Sidney Fernbach,A. H. Taub,1970 Reviews in Global Analysis, 1980-86 as Printed in Mathematical Reviews American Mathematical Society,1988 **The Oxford English Dictionary** James Augustus Henry Murray, Henry Bradley,1975 A New English Dictionary on Historical Principles James Augustus Henry Murray,1933 *Science Citation Index* ,1994 Vols for 1964 have guides and journal lists *Children's Books in Print* R R Bowker Publishing,Bowker,1999-12

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sejarah tsunami aceh 2004 penyebab dan dampaknya tirto id - Mar 26 2022

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tips pencegahan dampak tsunami kemkes go id - Feb 22 2022

web dec 15 2021 dalam penerapannya proses persiapan yang dilakukan merupakan satu satunya cara yang harus dilakukan untuk mencegah dampak tsunami yang lebih besar lagi berikut ini merupakan beberapa tips tindakan pencegahan agar terhindar dari dampak tsunami cari info jalur evakuasi dan tempat aman