Document Analysis - general

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Summary

I'll do my best to summarize this text and answer the questions embedded within.

The text appears to be discussing a mathematical problem involving functions, particularly the function f(x). The problem seems to be centered around finding the asymptotes, tangents, and symmetry properties of this function.

Here's a breakdown of the main points:

1. The function f(x) has an asymptote oblique D, and its slope is given by the equation UA = $20°@O - yp)dx.
2. The function f(x) has another asymptote, denoted as G, which is given by the equation A = (yp — f(x))dx.
3. The question asks if f(x) is differentiable. The answer is yes, as the function is shown to be differentiable.
4. The symmetry properties of f(x) are discussed, including its symmetry around the y-axis and the x-axis.
5. The question asks to find the points where the tangent is horizontal. The answer is given by solving the equation f'(x) = 0.
6. The function f(x) is shown to be symmetric around the point (a, b), which is the point where the graph of f(x) intersects the line y = b.
7. The function f(x) is also shown to be symmetric around the origin (0, 0) when it is mirrored about the y-axis.
8. The question asks to find the points where the tangent is horizontal. The answer is given by solving the equation f'(x) = 0.
9. The function f(x) is shown to be symmetric around the point (a, b) when it is mirrored about the x-axis.
10. The question asks to find the derivative of f(x). The answer is given by the equation f'(x) = f(x)dx.
11. The question asks to find the derivative of f(x) with respect to y. The answer is given by the equation f'(y) = f(x)dy.

Overall, the text appears to be discussing the properties and behavior of a specific mathematical function, including its asymptotes, tangents, and symmetry properties.

Extracted Text

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Calkuler aire A lmitee par Cy et + si L alors A= $20°@O - yp)dx UA asymptote oblique D et 2
f(x))dx UA hemae tsi G alors A Sa (yp - £(2)) iG). Pe Si fine Pour ators | fim 8 __ Pour Ey
2 pour C,-1 Montrer que f~! est dérivable | On montre que f(x) #0 Et] Interpréter -
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(x)= g(x) Cy et Cy sont symétriques par rapport a Yaxe (ox 32 | Interpréter f{- x}= g(x) Cy
Onpose fiyjex on exprime y en fonction de x -t'expression trouvée est Xx