

Gateway Test 4A
DifferentiationName _____ Date _____
Class _____ Section _____

In problems 1–15, find the derivative and simplify the answer. Write the answer without explicit exponents.

1. xe^x

2. $\frac{x}{x+1}$

3. $\sqrt{2x+1}$

4. $\sin^2 2x$

5. $\arcsin \frac{x}{2}$

6. e^{e^x}

7. $\ln\left(\frac{x}{x+1}\right)$

8. $x^2 \cos 2x + 1$

9. $x^2 + \frac{2}{x} + \sqrt[3]{x} + \ln x + \ln^2 x$

10. Find $\frac{dy}{dx}$: $y^2 + xy = 3$.

Gateway Test 4a Differentiation Solutions

Terry C. Jones



Gateway Test 4a Differentiation Solutions:

Gateway Test 4a Differentiation Solutions Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has are more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such may be the essence of the book **Gateway Test 4a Differentiation Solutions**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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