

## ***Problem 4: Basics of Calculus, Ordinary Differential Equations***

*Solve the following differential equations, show all work:*

a. 
$$\frac{dy}{dx} = \frac{6x^2}{2y + \cos y}$$

b. 
$$\frac{dy}{dx} = x^2 y$$

c. 
$$\frac{dy}{dx} (1 + \tan y) = x^2 + 1$$

d. 
$$\frac{dy}{dx} (2y + e^{3y}) = x \cos x, \text{ when } y(0) = 0$$

# Differential Calculus Problems With Solution

**SB Merriam**



## **Differential Calculus Problems With Solution:**

## **Differential Calculus Problems With Solution** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the ability of words has be more evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **Differential Calculus Problems With Solution**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Published 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 impact on readers.

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