

Ex 16 Find the derivative of $y = (5x^2 - 4x - 9)(2x^3 - 7x)$

$$y' = (5x^2 - 4x - 9)(6x^2 - 7) + (10x - 4)(2x^3 - 7x)$$

$$y' = 30x^4 - 35x^2 - 24x^3 + 28x - 54x^2 + 63 + 20x^4 - 8x^3 - 70x^2 + 28x$$

Ex 17 Find the derivative of $y = (2x^3 - 5x)^2$

$$y' = 50x^4 - 32x^3 - 159x^2 + 56x + 63$$

↓

$$y = (2x^3 - 5x)(2x^3 - 5x)$$

$$y' = (2x^3 - 5x)(6x^2 - 5) + (6x^2 - 5)(2x^3 - 5x)$$

$$y' = 2(2x^3 - 5x)(6x^2 - 5)$$

Advanced Technical Mathematics

A Loxley



Advanced Technical Mathematics:

Advanced Technical Mathematics Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Advanced Technical Mathematics**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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