


Don Bosco Technical Institute

AP Physics C Prep

Day 2, Part 9: Practice Problems




Find the Derivative of Each Function

- $y = \frac{x^3 - 2x + 1}{\sqrt{x}}$
- $H(x) = (x + x^{-1})^3$
- $g(u) = \sqrt{3 \cdot u} - \sqrt{5u}$
- $v = \sqrt[5]{t} + 9\sqrt{t^3}$
- $L = \left(\sqrt[3]{x} + \frac{1}{\sqrt{x}} \right)^2$
- $B(y) = ay^3 - by^2 + c + dy^{-1}$

Note: in this problem a , b , c , and d are all constants. Also dy is the constant d times the variable y , not a differential piece of y .

Answers hidden under this box



Up Next

- Video: Calculus Rhapsody by Word Gospelog
- <http://youtu.be/uqwC41RDPyg>
- Homework (sent by e-mail)
 - AP Physics C Prep Day 2 Homework.pdf

