

Download Derivative Worksheet With Solutions

Limits & Derivatives Worksheet SOLUTIONS Math 1100-005 01/26/06

1. Find the limit (if it exists): (a) $\lim_{t \rightarrow 3} t^2 + 1$ $\lim_{t \rightarrow 3} t^2 + 1 = 3^2 + 1 = 9 + 1 = 10$ (b) $\lim_{t \rightarrow 3} t^3 - 2t + 1$ $\lim_{t \rightarrow 3} t^3 - 2t + 1 = 3^3 - 2 \cdot 3 + 1 = 27 - 6 + 1 = 22$

2. Using the definition, compute the derivative at $x = 0$ of the following functions: (a) $2x + 5$ (b) x^2

Derivatives worksheet, derivative of a sum, product, quotient, power, root, exponential and logarithmic functions, solved worksheets and exercises with operations and solutions. Free Calculus worksheets created with Infinite Calculus. Printable in convenient PDF format.