

Examples of Derivatives

Problems

$$A(s) = \frac{-12}{s^5}$$

$$h(x) = (x-2)(2x+3)$$

$$y = e^{x+1} + 1$$

$$F(x) = \left(\frac{1}{2}x^5\right)$$

$$y = \sqrt{x}(x-1)$$

$$z = \frac{A}{y^{10}} + B e^y$$

$$y = \frac{x^2 + 4x + 3}{\sqrt{x}}$$

$$y = \sqrt[3]{x}$$

$$v = \left(\sqrt{x} + \frac{1}{\sqrt[3]{x}}\right)^2$$

$$u = \sqrt[5]{t} + 4\sqrt{t^5}$$

$$y = \frac{x^2 - 2\sqrt{x}}{x}$$

Questions?