Math 2215 - Calculus 1

Derivative Problems

Product and Quotient Rules

2009.09.10

$$\frac{d}{dx}\left(3x^2-2x+1-\frac{1}{x}\right)\left(6\sqrt{x}-2x^3+\frac{4}{x^2}-\frac{x}{3}\right)$$

$$\frac{d}{dx}\frac{3x^2-2x+1-\frac{1}{x}}{6\sqrt{x}-2x^3+\frac{4}{x^2}-\frac{x}{3}}$$

$$\frac{d}{dt}\left(3t^2-1\right)\left(3t^2+2t-4\right)\left(7\sqrt[5]{t}+t^{12}-\frac{5}{t^2}\right)$$

$$\frac{d}{dt}\frac{\left(3t^2-1\right)\left(3t^2+2t-4\right)}{7\sqrt[5]{t}+t^{12}-\frac{5}{t^2}}$$

$$\frac{d}{dt}\left(\frac{3t^2-1}{7\sqrt[5]{t}+t^{12}-\frac{5}{t^2}}\right)\left(3t^2+2t-4\right)$$

$$\frac{d}{dt}\frac{\left(3t^2-1\right)}{\left(7\sqrt[5]{t}+t^{12}-\frac{5}{t^2}\right)\left(3t^2+2t-4\right)}$$

$$\frac{d}{dw}\frac{\left(3w-\frac{2}{x^3}+5\sqrt[5]{w^4}\right)\left(w^3-4w^2+3w-\frac{1}{w}\right)}{\left(2w-1\right)\left(3w^2+6w-2\right)}$$