

Chain Rule

1. $\frac{d}{dx}(f(u(x))) = \underline{\hspace{10em}}$

2. Find the derivative:

a) $\frac{d}{dx}(\cos(x^3))$

b) $\frac{d}{dx}(e^{\sin x})$

c) $\frac{d}{dx}(\tan(4x^2+1))$

d) $\frac{d}{dx}(\sqrt[3]{x^3-5})$