Nombre del alumno: Nadia Jazmin Albores Perez

Nombre del profesor: Dr. Sergio Jimenez Ruiz

Nombre del trabajo: biomatemáticas: Cálculo Materia: Biomatematicas I

Grado: 2do MEDICINA HUMANA

Ejercicios Derive la función

$f(x) = -82x^{-17}$

1 $\frac{d}{dx}(-82x^{-19}) = 1394x^{-18}$

2 $\frac{d}{dx}x^n = nx^{n-1} = \frac{d}{dx}(x^{\frac{-5}{6}}) = \frac{-5}{6}x^{\frac{-11}{6}}$

3 $\frac{d}{dx}xn = nx^{n-1} = \frac{d}{dx}(x^{-19}) = -19x^{-20}$

4 $\frac{d}{dx}x^n = nx^{n-1} = \frac{d}{dx}(x^{\frac{3}{8}}) = \frac{3}{8}x^{\frac{-5}{8}}$

5 $\frac{d}{dx}x^n = nx^{n-1} = f(x) = x^{\frac{5}{2}} = \frac{5}{2}x^{\frac{3}{2}}$

6 $\frac{d}{dx}(x^{25}) = 25x25$

7 $\frac{d}{dx} cx^n = cnx^{n-1} = \frac{d}{dx}(-33x^{-22}) = 726x^{-23}$

8 $\frac{d}{dx} x^n = nx^{n-1} = \frac{d}{dx}(x^{\frac{3}{4}}) = \frac{3}{4} - \frac{4}{3}$

9 $\frac{d}{dx} cx^n = cnx^{n-1} = f(x) = 9x^{\frac{-2}{9}} = \frac{-2}{9} - \frac{9}{9} \cdot \frac{11}{9}$

$-\frac{18}{9} * \frac{-11}{9}$

10 $\frac{d}{dx} c = 0 = f(x) = 39 = \underline{0}$

11 $\frac{d}{dx} c = 0 = f(x) = 62 = \underline{0}$

12 $\frac{d}{dx} cx - c = f(x) = -9x = \underline{-4}$

13 $\frac{d}{dx} cx - c = f(x) = -39x = -39$

14 $\frac{d}{dx} c = \frac{d}{dx}(-78) = 0$

15 $\frac{d}{dx} cx - c \frac{d}{dx} = 16 \div 16$

16 $\frac{d}{dx} 6x = C \quad \frac{d}{dx} Cx - 4 = \quad -4$

17 $\frac{\partial x}{\partial x} Cx = C \quad \frac{d}{dx} = -64 \quad -64$