

máximo el próximo lunes

PLANTEL: Universidad Técnica de Ambato

ASIGNATURA: Matemática

ALUMNO: Cattleja Juevara

CURSO: Segundo

FECHA: 30/09/2024

CALIFICACION

TRIMESTRE:

FIRMA

2,00

- Resolver la siguiente función compuesta

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$$y = 2\sqrt{x}$$

$$z = x + y$$

$$H = (Z, Y)$$

$$H = 2 \left[\binom{y_0}{0} x^{y_0/2} + \binom{y_0}{1} x^{y_0/2-1} y + \binom{y_0}{2} x^{y_0/2-2} y^2 + \dots + y^{y_0} \right]$$

$$H = 2 \left[x^{y_0/2} + \frac{1}{2} x^{y_0/2-1} y + \frac{1}{8} x^{y_0/2-2} y^2 + \dots + y^{y_0} \right]$$

$$H = 2 \left[x^{y_0/2} + \frac{1}{2} x^{y_0/2-1} y + \frac{1}{8} x^{y_0/2-2} y^2 + \frac{1}{24} x^{y_0/2-3} y^3 + \dots + y^{y_0} \right]$$

$$H = 2 \left[\sqrt{x} + \frac{1}{2} \sqrt{x} + \frac{1}{8} \sqrt{x} + \frac{1}{24} \sqrt{x} + \dots + y^{y_0} \right]$$

$$H = 2 \left[\frac{1}{2} \sqrt{x} + \frac{1}{4} \sqrt{x} + \frac{1}{8} \sqrt{x} + \frac{1}{16} \sqrt{x} + \dots + y^{y_0} \right]$$

$$H = 2 \left[\frac{1}{4} \sqrt{x} + \frac{1}{8} \sqrt{x} + \frac{1}{16} \sqrt{x} + \frac{1}{32} \sqrt{x} + \dots + y^{y_0} \right]$$

$$H = 2 \left[\frac{1}{8} \sqrt{x} + \frac{1}{16} \sqrt{x} + \frac{1}{32} \sqrt{x} + \frac{1}{64} \sqrt{x} + \dots + y^{y_0} \right]$$

$$H = \frac{1}{4} \sqrt{x} + \frac{1}{8} \sqrt{x} + \frac{1}{16} \sqrt{x} + \frac{1}{32} \sqrt{x} + \dots + y^{y_0}$$