Carrleyda Guevara

FECHA 25/11/2024 CALIFICACION CURSO 2do Semestre "A"

PERIODO FIRMA PROFESOR

N:
12

2,00

$$\lim_{x \to 10} \frac{2 - \sqrt[3]{x-2}}{\sqrt{x+6} + 4}$$

$$\lim_{x \to 10} \frac{2 - \sqrt[3]{x-2}}{\sqrt{x+6} - 4}$$

$$\lim_{x \to 10} \frac{2 - \sqrt[3]{10-2}}{\sqrt{10+6} - 4}$$

$$\lim_{x \to 10} \frac{2 - \sqrt[3]{8}}{\sqrt{16} - 4}$$

$$\lim_{x \to 10} \frac{2 - 2}{4 - 4}$$

$$\lim_{x \to 10} \frac{0}{0} \quad \text{Indeterminado}$$

$$\lim_{x \to 10} \frac{2 - \sqrt[3]{x-2}}{\sqrt{x+6} - 4}$$

$$\lim_{x \to 10} \frac{2 - \sqrt[3]{x-2}}{\sqrt{x+6} - 4} \cdot \frac{2\sqrt[3]{(x-2)^2}}{\sqrt{x+6}} \cdot \frac{\sqrt{x+6}}{\sqrt{x+6}}$$

$$\lim_{x \to 10} \frac{2 - \sqrt{y-2}}{-4\sqrt{y+6}}$$

$$\lim_{y \to 5} \frac{2 - \sqrt{5-2}}{-4\sqrt{5+6}}$$

$$\lim_{y \to 5} \frac{2 - \sqrt{3}}{-4\sqrt{11}}$$

$$\lim_{y \to 5} \frac{+2\sqrt{3}}{-4\sqrt{11}}$$

$$\lim_{y \to 5} \frac{2\sqrt{3}}{4\sqrt{11}}$$

$y = 5$

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