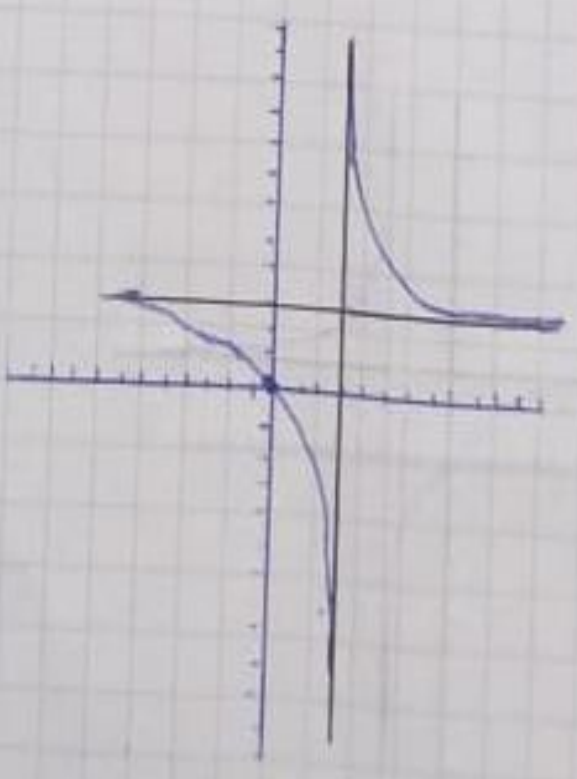
$$\lim_{x \to 3^+} \left(\frac{2x}{x-3} \right)$$

2. $\lim x \to 3^+ \left(\frac{x}{x-3} \right) \to \frac{1}{1-\frac{3}{x}}$

2. $\lim x \to 3^+ \left(\frac{1}{1-\frac{3}{x}} \right)$ $\quad x > 3 \quad$ $1 - \frac{3}{x} > 0$

$: 2 \cdot \infty$

A // $+\infty$



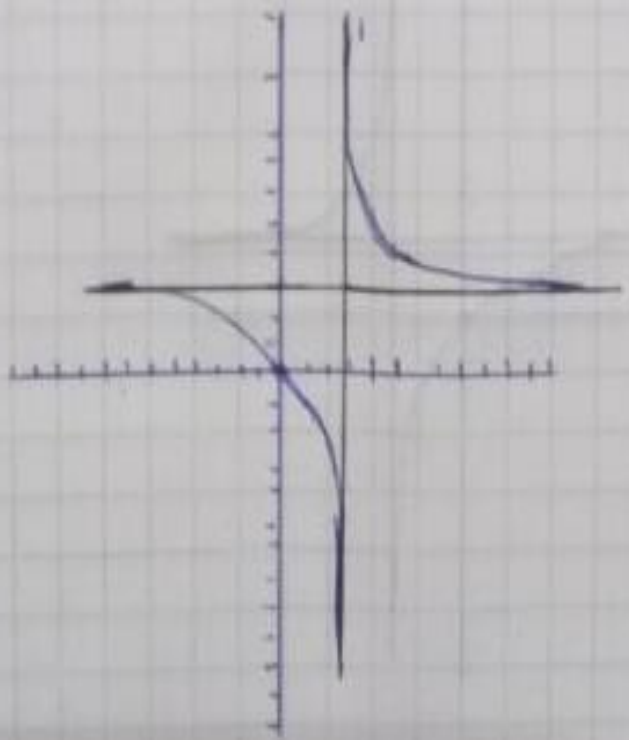
$$\lim_{x \to 3^-} \frac{2x}{x-3}$$

$$f(x) = 2 \cdot \lim x \to 3 \cdot \left(\frac{x}{x-3}\right) \Rightarrow \frac{1}{1 \cdot \frac{3}{x}}$$

$$= 2 \cdot \lim x \to 3 \cdot \left(\frac{1}{1 \cdot \frac{3}{x}}\right) \qquad x < 3 \qquad \Rightarrow 1 \cdot \frac{3}{x} < 0$$

$$= 2(-\infty)$$

R// $= -\infty$



Integrantes:

- Sebastián Anthony Cevallos García
- Cristian Alexander Santos Nazareno
- Francisco Jeremy Robles Miranda
- Marcos Johan Ochoa Suarez
- Josué Jacobo Chimbolema Chimbolema