(1) Seje
$$J(x) = \begin{cases} x-1 & 0 \\ 3x-9 & 0 \\ 0 & 0 \end{cases}$$

Collule:

2: 2

R: 8

12: 8

Colcule es lineites:

from f(x) = 3 x2

R2 12

b)
$$\lim_{x\to 1} \frac{f(x) - f(1)}{\chi - 1}$$
 for $f(x) = \frac{1}{\mu}$

c)
$$\lim_{x\to -1} \frac{x^3+1}{x^4-1}$$

$$R_{1}^{2} + \frac{3}{2}$$

$$4) \lim_{t \to \frac{5}{2}} \frac{2t^2 - 3t - 5}{2t - 5}$$

$$R: \frac{n}{2}$$

$$R: -\frac{1}{3}$$

i)
$$lim_{k-64} = \frac{3-\sqrt{5+x}}{1-\sqrt{5-x}}$$

$$R: -\frac{1}{3}$$