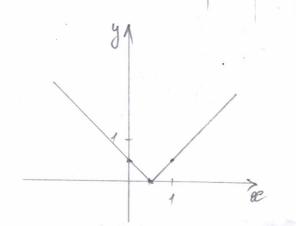
Domanue zagance k ypong N4

(2) 
$$y = 2e^{2} + 9x + 3$$
  
 $y = 2e^{2} + 9x + 4 - 9 + 3$   
 $y = (2e + 2)^{2} - 1$ 



(3) 1) 
$$\lim_{x \to 5} \frac{x^2 - 6x + 5}{x^2 - 25} = \begin{bmatrix} 0 \\ 0 \end{bmatrix} = 0 = 36 - 4.1.5 = 16$$

$$0 = 36 - 4.1.5 = 16$$

$$0 = \frac{6+9}{2} = 5$$

$$0 = \frac{6-4}{2} = 1$$

= 
$$\lim_{\alpha \to 5} \frac{(\alpha - 5)(\alpha - 1)}{(\alpha + 5)(\alpha - 5)} = \frac{\alpha - 1}{9e + 5} = \frac{4}{10} = \frac{1}{5}$$

2) 
$$\lim_{x \to -1} \frac{x^3 + x + 2}{x^3 + 1} = \frac{(x+1)(x^2 - x + 2)}{(x+1)(x^2 - x + 1)} =$$

$$= \lim_{x \to -1} \frac{x^2 - x + 1}{x^2 - x + 1} = \frac{(-1)^2 - (-1) + 2}{(-1)^2 - (-1) + 1} = \frac{4}{3}$$

3) 
$$\lim_{R \to 3} \frac{|2R+3|-3}{|R-3|-1} = \frac{|0|}{|0|} = \lim_{R \to 3} \frac{(2e+3-3)[12e+3+3)}{(R-1)(12e+3+3)} = \frac{(2e+3)-9}{(R-2-1)[2e+3+3]} = \frac{(2e-6)(R-2+1)}{(R-2+1)[2e+3+3]} = \frac{(2e-6)(R-2+1)}{(R-2-1)[2e+3+3]} = \frac{(2e-6)(R-2+1)}{(R-2-1)[2e+3+3]} = \frac{2(x-3)(R-2+1)}{(R-2-1)[2e+3+3]} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+3+3)} = \frac{2(x-2)(R-2+1)}{(R-2-3)(R-2+3+3)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+3+3)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+1)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+1)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+1)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+1)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+1)} = \frac{2(x-3)(R-2+1)}{(R-2-3)(R-2+1)} = \frac{2(x-$$