ypou Преден функции. $\frac{x^{2}-36}{x^{2}-x-30} = \lim_{x \to 6} \frac{x^{2}-6^{2}}{x^{2}-x-30} = \lim_{x \to 6} \frac{(x-6)(x+6)(x+6)}{x^{2}-x-30}$ $\frac{x^2 + 5x - 6x - 30}{x - 6} =$ 13x + 42 = X2 - 6x - 7x - 7 X - 7 Q3-63=(a-b)(a2+ab+b2) $\lim_{x \to 7} \frac{\sqrt{x+2} - \sqrt{x} + 20'}{\sqrt{x+9} + 2} \cdot \frac{(x+2) + \sqrt{x+2}' \sqrt{x+20'} + \sqrt{3(x+20')^2}}{(x+2) + \sqrt{x+2} \sqrt{x+2} + 20'}$ $\lim_{x \to T} \frac{(1x+2')^3 - (x+20)) \cdot (1x+g'+2)}{(1x+g'-4) \cdot (x+2+1x+2(x+20')+(3x+20')^2)} = 27 - 27$ 3x tg 4x = lim 3x · Sin 4x - cos 4x = lim cos 4x · (1-cos 4x) 4x=2t · sint = lim 3x · cost = lim 3x · cos2x $\lim_{t\to\infty} e(U(x)-1)\cdot V(x) = \lim_{t\to\infty} e(\frac{4x}{4x+3}-2)\cdot \frac{5x^2}{7x-1} = \lim_{t\to\infty} e(\frac{4x+3}{4x+3}-\frac{3}{7x-1} = e^{\frac{-3}{4}\cdot \frac{5}{7}} = e^{\frac{-3}{4}\cdot \frac{5}{7$