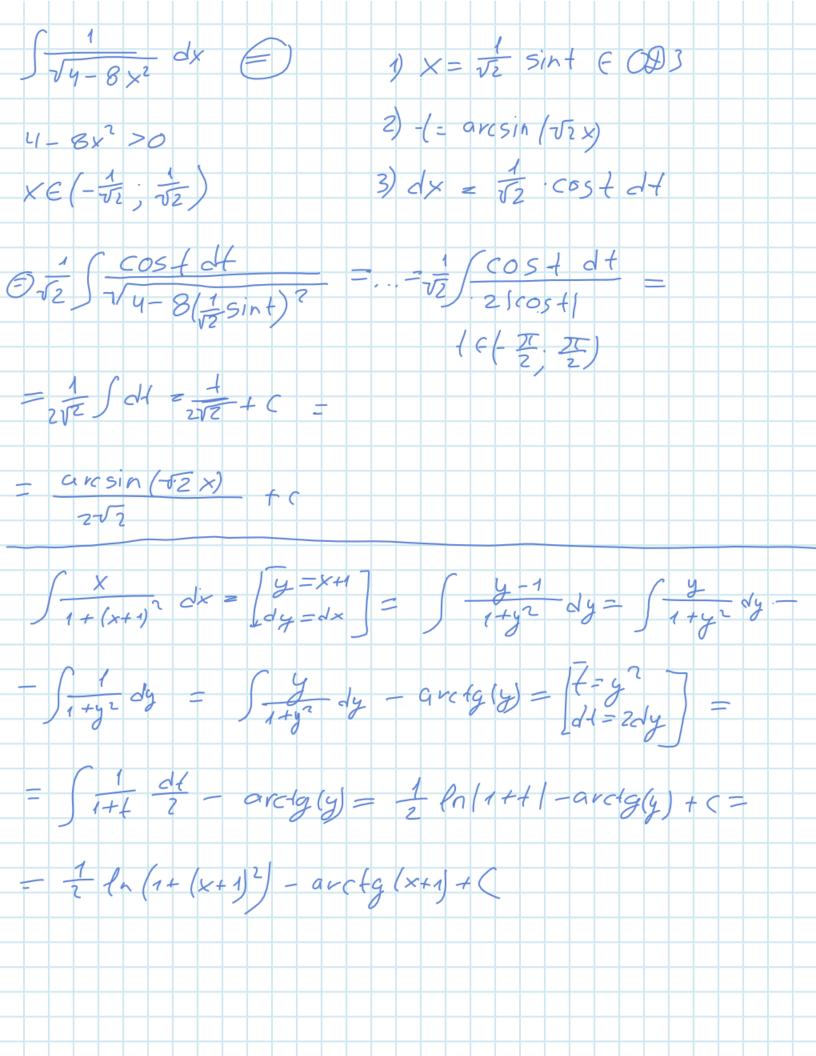
14 01.19 Cymb (TM) 1 = ( F = V × F(x) = ? $F = \frac{3}{4} \cdot \times \frac{7}{3}$ 3/x = 1 F'(x) = f(x) $F = \frac{x^{k+1}}{k+1} \left( k \neq -1 \right)$ F= Slax, xro (Ph-x, X<0 ) f(x) dx = F(x) + C f(x) dx dF(x) игетеграл сругина негом полицам. SaF(x) = F(x) +c Vorcemany grajanero un reperentific comora  $\int (x^2 + \sin x) dx = \int x^2 dx + \int \sin x dx = \frac{x^3}{3} - \cos x + c$ S(x+1)34 dx = (x+1)4+  $\int \frac{(x+2)^2}{x} + \int \frac{x^2+4x+4}{x} = \frac{1}{2}$ Jxdx + 4x + 5x dx = = x + 4x + 4 Pn (x) + C

$$\int z \sin \cos x \, dx = \int z \sin x (\sin x)' = \int (\sin^2 x)' dx = \sin^2 x + C$$

$$\int z \sin \cos x \, dx = \int z \cos x \,$$



$$F(x) = ?$$

$$F(x) = \frac{1}{1 + (x + y)^{2}} = \frac{1}{2} \left( \ln(1 + (1 + x)^{2}) - \alpha v c dy (x + y) + C \right)$$

$$F(x) = \frac{1}{1 + (x + y)^{2}} = \frac{1}{2} \left( \ln(1 + (1 + x)^{2}) - \alpha v c dy (x + y) + C \right)$$

$$F(x) = 8$$

$$C =$$

$$\int g \times dx = \int \frac{\sin x}{\cos x} dx = -\int \frac{d\cos x}{\cos x} = -\ln |\cos x| + C$$

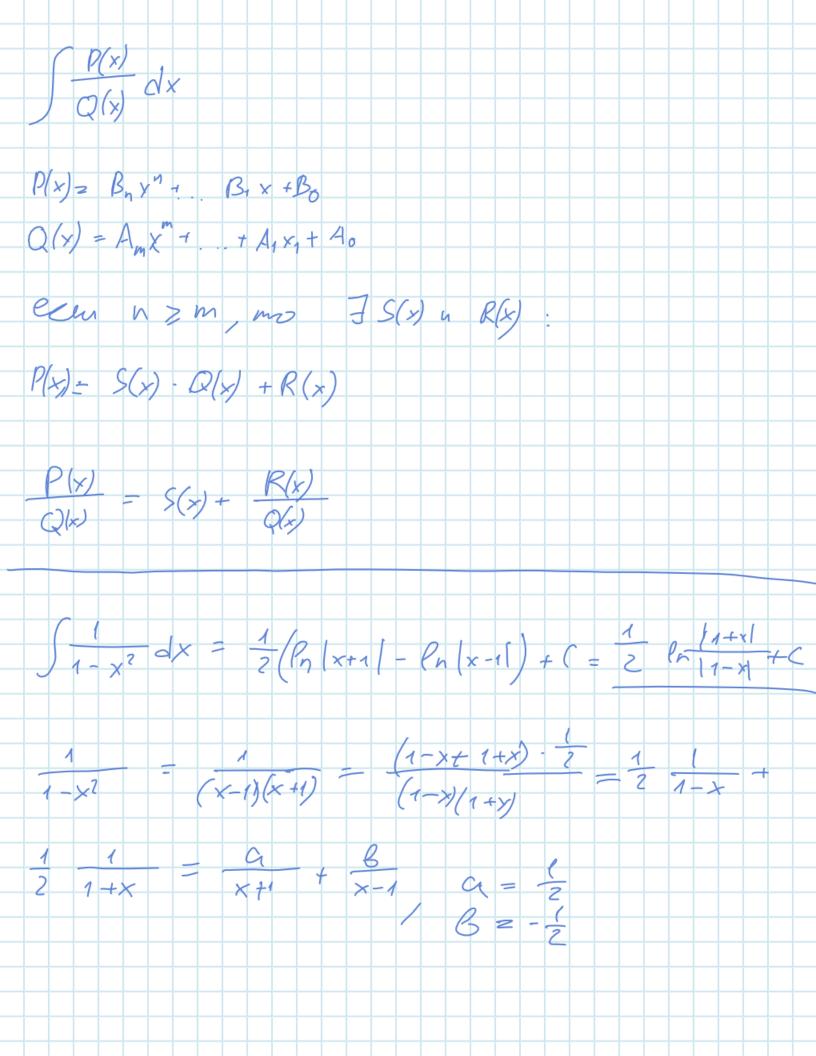
$$\int \frac{dx}{dx} dx = \int \frac{dx}{dx} dx = \int \frac{dx}{dx} = dI$$

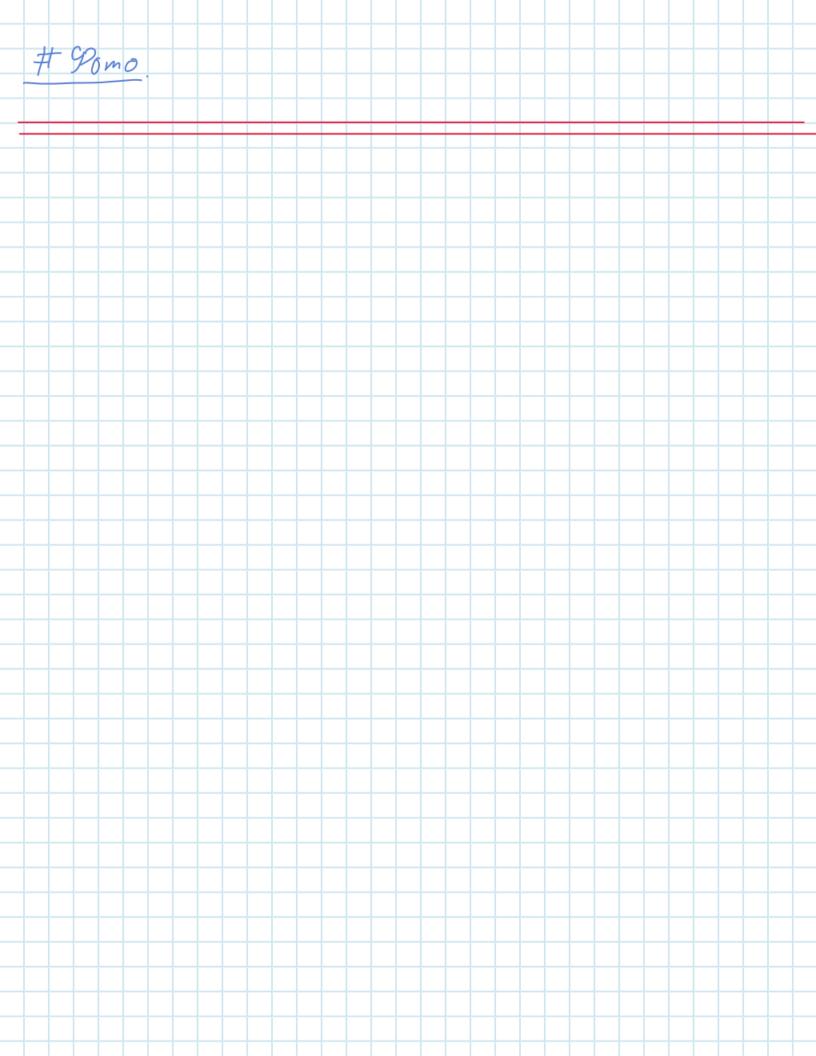
$$= 2 \int \frac{d^2}{dx} dI$$

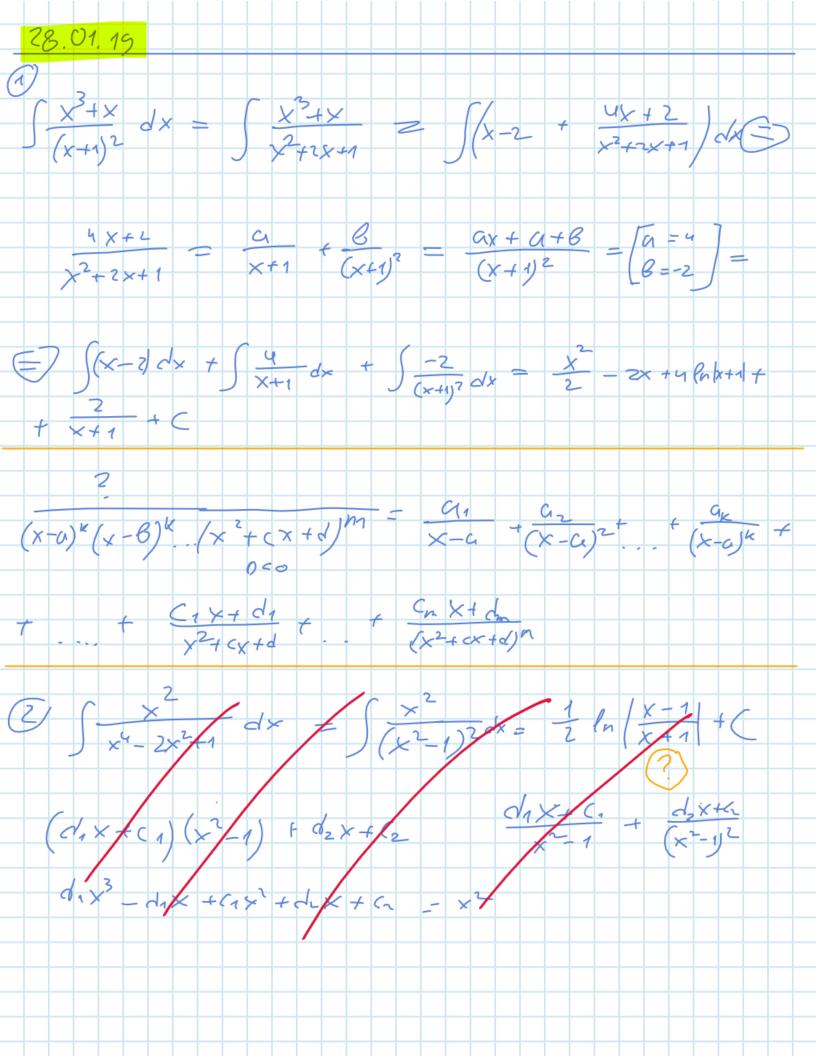
$$= 2 \int \frac{dx}{dx} = x \cdot ax \cdot ax \cdot ax - x \cdot ax - x \cdot ax$$

$$= x \cdot ax \cdot ax \cdot ax - x \cdot ax$$

$$= x \cdot ax \cdot ax \cdot ax - x \cdot$$







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

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

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

$$\frac{x^{2}}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}}$$

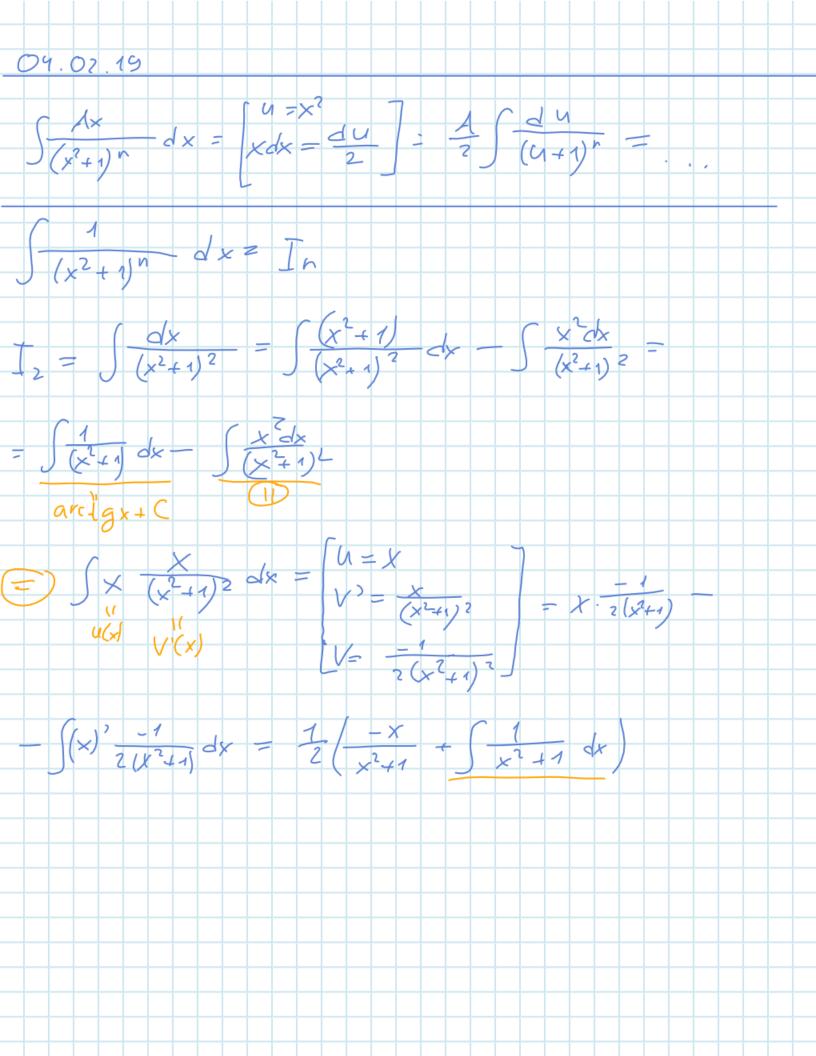
$$\frac{x^{2}}{(x-1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}}$$

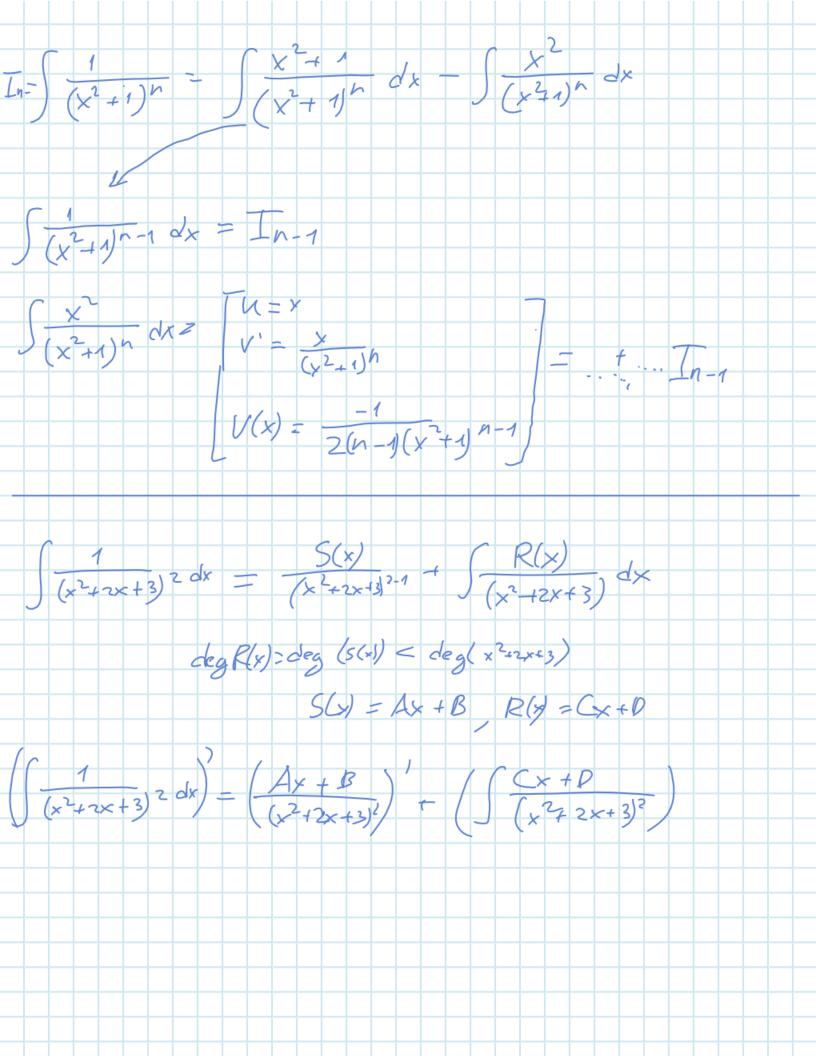
$$\frac{x^{2}}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}}$$

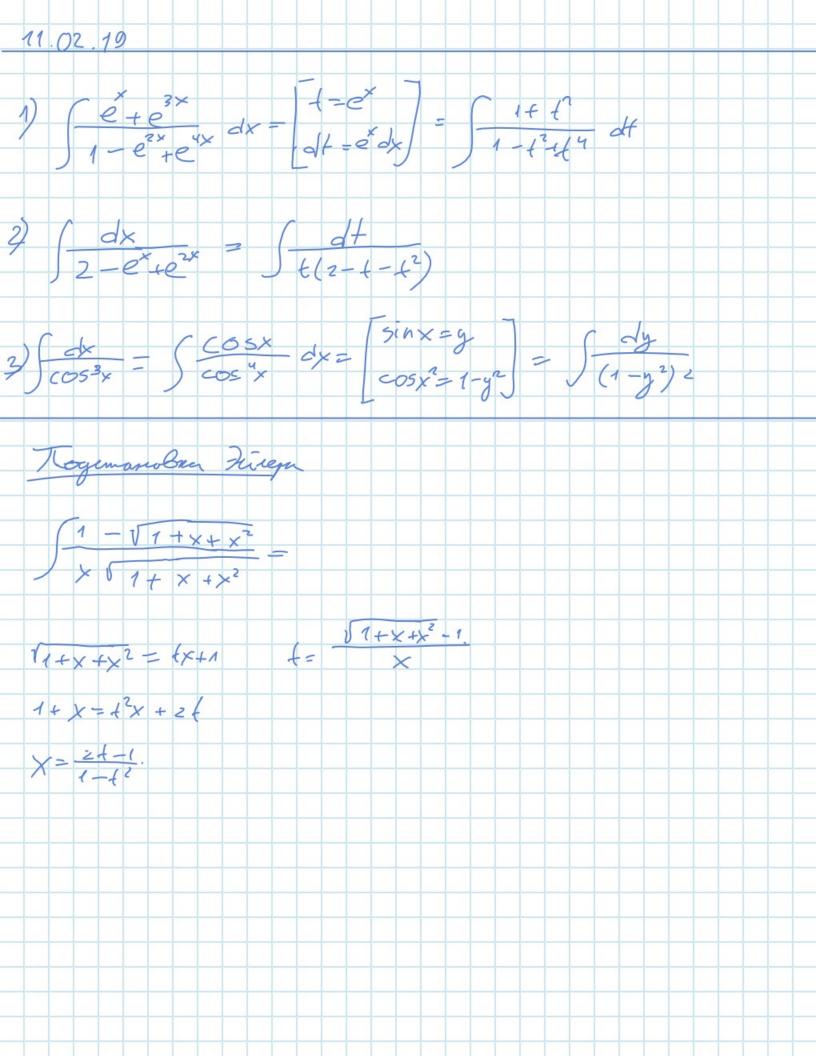
$$\frac{x^{2}}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}}$$

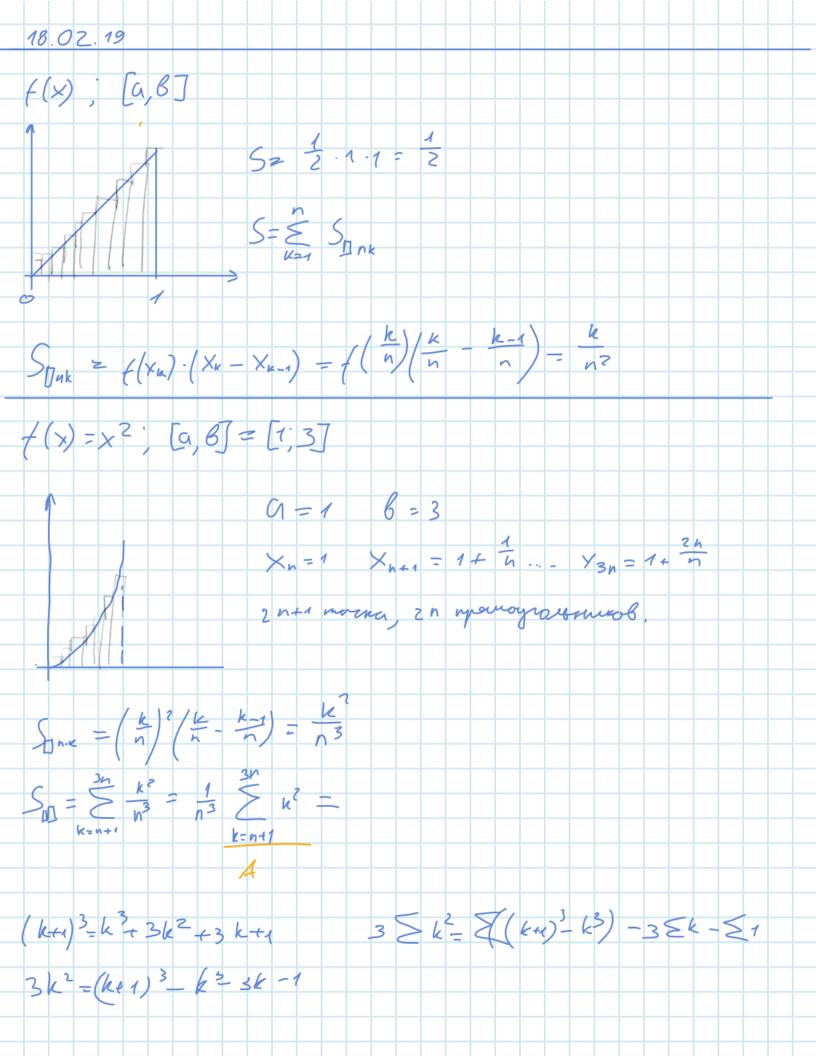
$$\frac{x^{2}}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}} + \frac{x}{x+1} + \frac{x}{(x+1)^{2}}$$

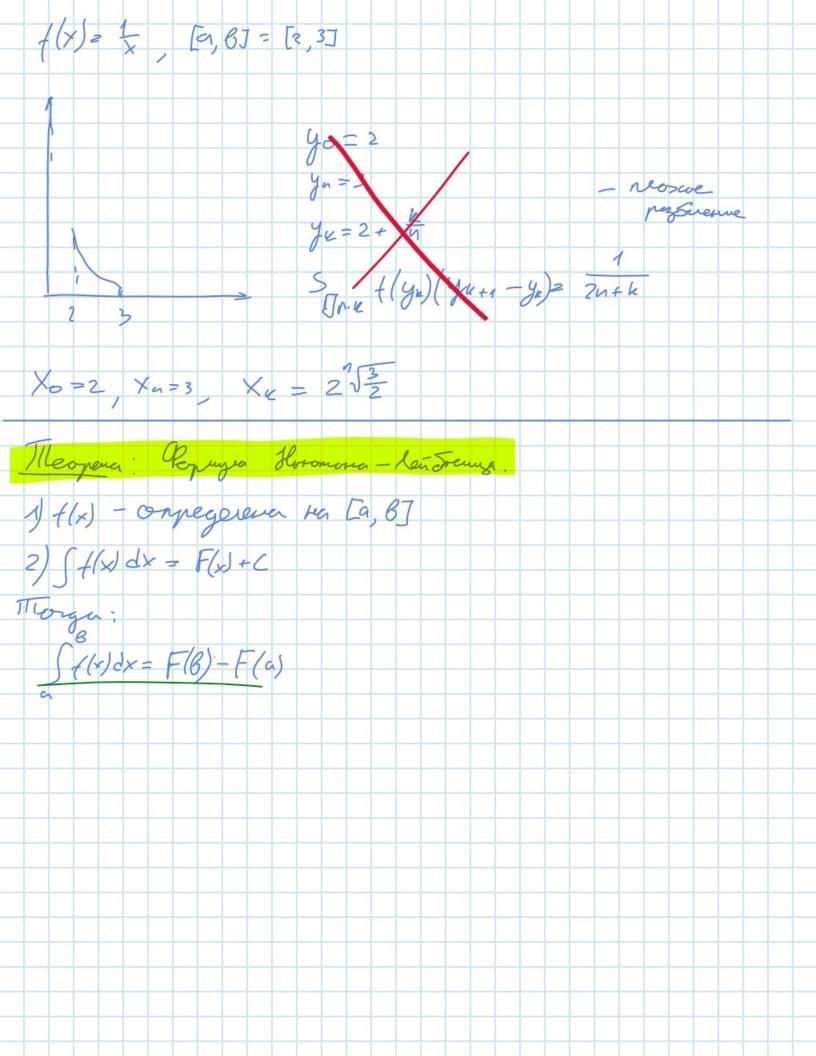
 $\int \frac{1}{x^{4}+1} dx$ I) renjubogunum cour (x +1) 1) x4+1>0 - trem kopoler x + 1 = (C, x + Bx + c) (Lx + Bx + 8) 0<0 0<0 alx"+ (aB+BL) x3+ (ay+tL+BB) x2+ (By+CB)x+ + (8 = ( > 4 + 1) 1 aB + B L = 0 as + c2 + B/3 = 0 BX+CB=0 # Pomo











25.02.0 Teopera: ecm f(x) - lige. nempopuls. Ha [a, B] h  $f_2(x) = f_1(x) \quad \forall x \in (9, 8) \quad x \neq x_6$ no umeque pabrior lim n ( \square 1+ \frac{1}{n} + \square 1+ \frac{1}{n} \) = n \square \square \qquare 1