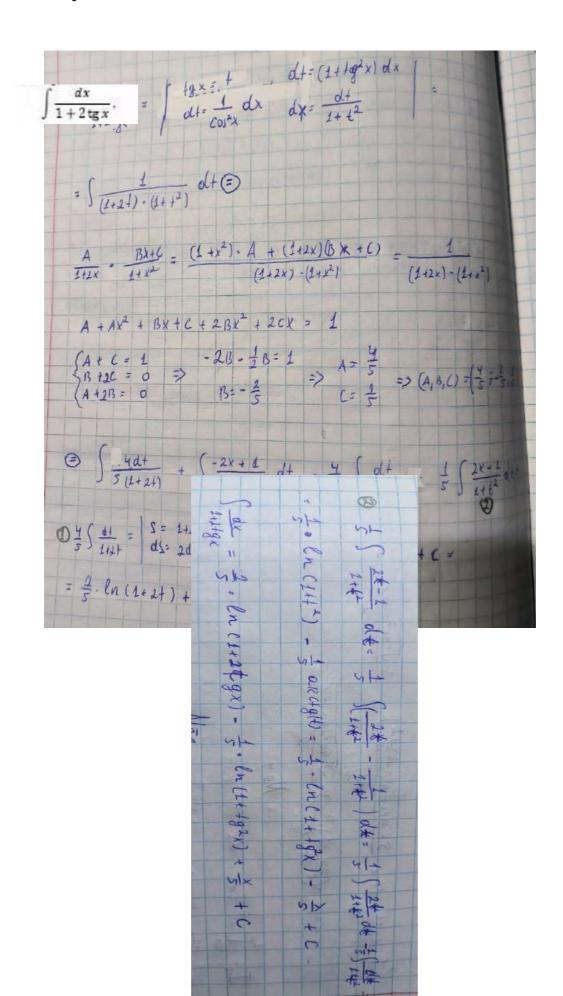
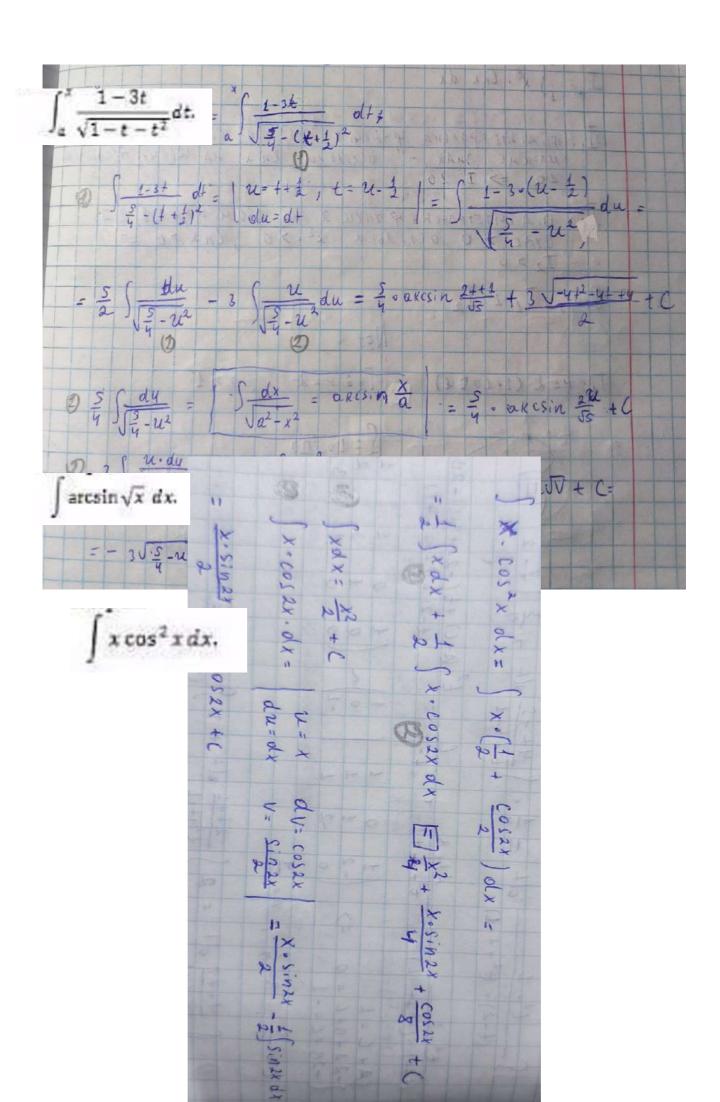
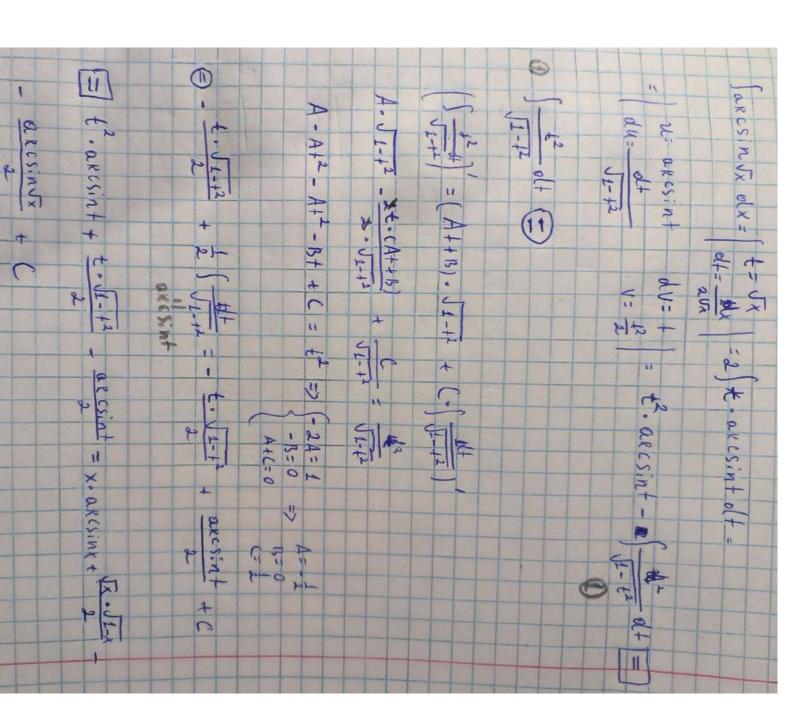
Знайти інтеграли.

1. Просто знайти:

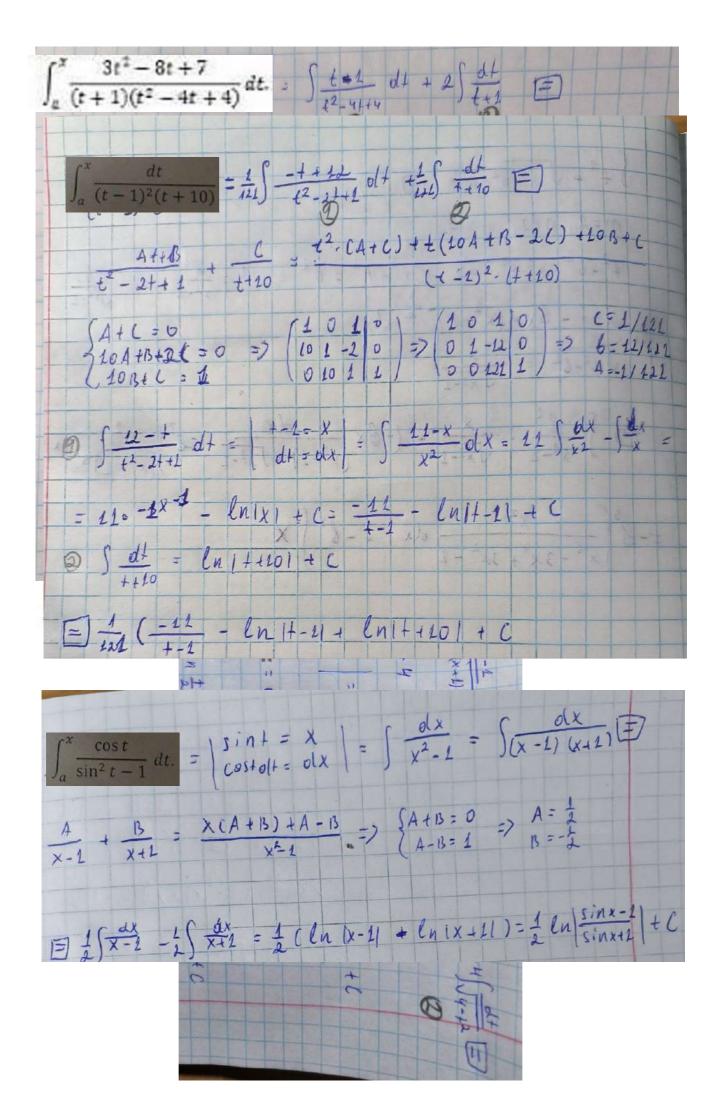






$$\int_{a}^{x} \frac{t^2 - 1}{(t - 2)(t^2 + t + 1)} dt.$$

| $\frac{2}{12} \int \frac{4+4x}{4^{2}+4+1} \cdot o(t) = 2 \int \frac{2+4x}{4^{2}+4+1} \cdot o(t) + 3 \int \frac{o(t)}{4^{2}+4+1} \cdot o(t) + 3 \int \frac{o(t)}{4^{2}+4$ | $ \begin{cases} \frac{\xi^{2}-1}{(\xi^{2}-2)^{-}} \frac{\xi^{2}+1+2}{(\xi^{2}+1+2)} & = \frac{1}{2} \cdot \int \frac{1+2}{\xi^{2}+2} \frac{1+2}{\xi^{2}} \frac{1+2}{\xi^{2}} \\ \frac{\xi^{2}-1}{(\xi^{2}-2)^{-}} \frac{\xi^{2}+1+2}{(\xi^{2}+2+2)} & = \frac{1}{2} \cdot \int \frac{\xi^{2}+\xi^{2}+1}{\xi^{2}+2+2} \frac{1+2}{\xi^{2}-2} \frac{\xi^{2}+\xi^{2}+1}{(\xi^{2}-2)^{-}} \frac{\xi^{2}+\xi^{2}+\xi^{2}+1}{(\xi^{2}-2)^{-}} \frac{\xi^{2}+\xi^{2}+\xi^{2}+1}{(\xi^{2}-2)^{-}} \frac{\xi^{2}+\xi^{2}+\xi^{2}+\xi^{2}+1}{(\xi^{2}-2)^{-}} \frac{\xi^{2}+\xi^{2}$ |
|---|---|
|---|---|



 $\int \frac{x^3+1}{x^3-x^2} dx \, .$ ∫ 1+x² o(x €) the x2(A+C)+x &A+B)-B AX+B X2 C × - 2 {A+C= R-A=0 =) B=-1, A=-1, C=2 -13 = +1 dy + 2 dx = B Jdx + J り大 1 + 12 dx = d+ = = 2 - en1 2 Cultz-4 11 井京か 2 · X + 2 · (n(x) + 33

