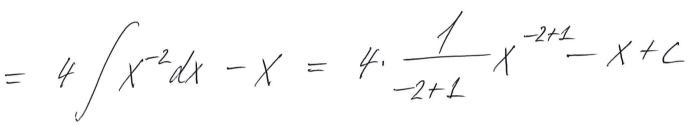
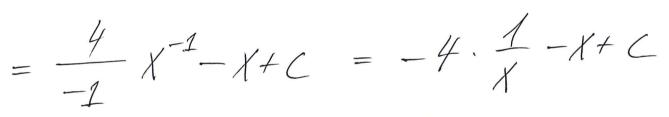
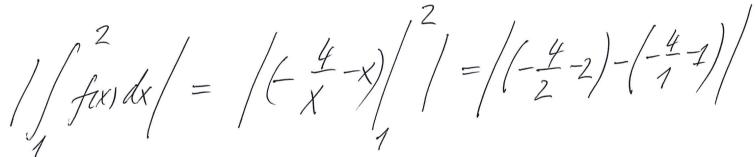
$f(x) = \frac{4}{12} - 1$ $f(x) = 0 \Leftrightarrow \frac{4}{x^2} - 1 = 0 \Leftrightarrow \frac{4}{x^2} = 1$ $4 = \chi^2 \iff \chi = \pm 2$ $\Rightarrow fix = 0 \Leftrightarrow x = \pm 2$ +11 = 3 y=f(x) $f(4) = -\frac{3}{4}$ 2 4 $\mathcal{A} = \left| \int_{f(x)}^{z} dx \right| + \left| \int_{g(x)}^{y} dx \right|$ = $\frac{1}{1} = 1 + 1 = 2$

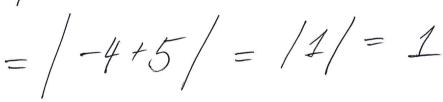
Colculors / faridx:

 $\int \begin{pmatrix} \frac{4}{4} & -1 \end{pmatrix} dx = \int \frac{4}{x^2} dx - \int 1 dx$









 $\left| \int_{2}^{4} f(x) dx \right| = \left| \left(\frac{4}{x} - x \right) \right|_{2}^{4} = \left| \left(-\frac{4}{4} - 4 \right) - \left(-\frac{4}{2} - 2 \right) \right|_{2}^{4}$

= | -5+4 | = | -1 | = 1