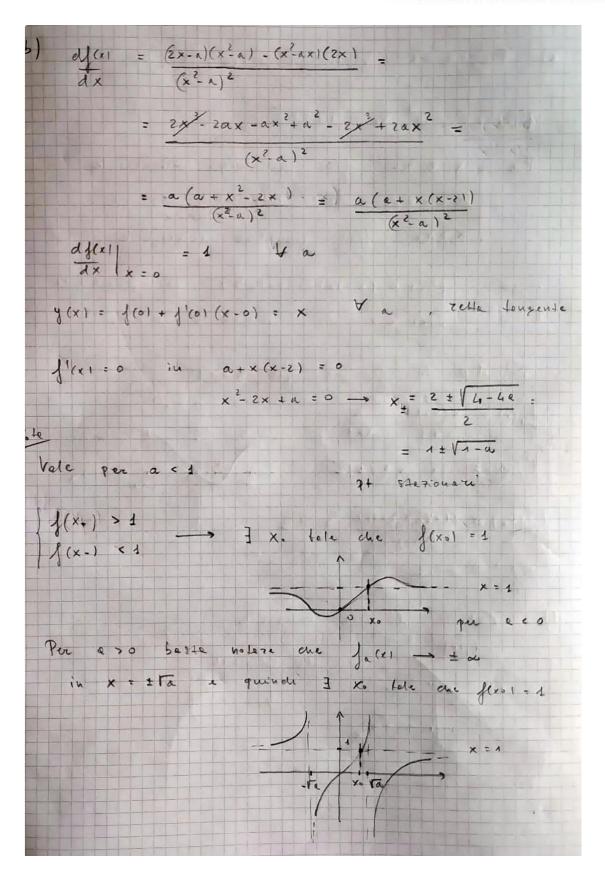


2 11 63	
Probleme 2	
$\int a(x) = \frac{2}{x^2 - ax} = \frac{x(x-a)}{(x+\sqrt{a})(x-\sqrt{a})}$	aro
D[]e(x)] = R se a <	
D [fe(x1] = (-0, -va) ~ [-va	. Va.] v (Va. + 00) se e > 0
Pur a col non ei : sous alice	
aso x = ± va sous pt	di discontinue
line da (x) = 1 + a/2	y = 1 a cintolo ozcazou,
liu. x -> Va + Ja(x) = - ac x +> Va	asint. vorticele
lin x -> Va · Jacx · = + 00	The state of the s
lim x + fa (x 1 = - d) x = - Ta	a sint Vorticele
lin x -> - Va de (x1 = + 06)	700110010

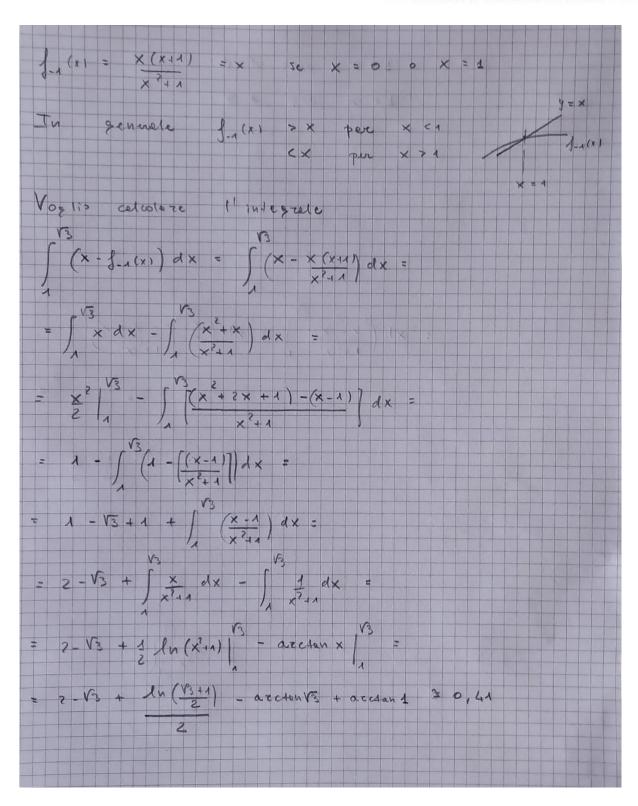






c) Per e < 1 voglis Studiere la monotonia
11 (x) = 0 in x = 1 = 1 = 1 = 1
Per (X < X - f(x) enonotone durescente X < X < X + f(x) enonotone crescente
× × + f(x) monotona decrescente
injeu: (xx1 = (x-x+)(x+x-) >0 in x-cx < x4
/(x) < 0 in
Studio la función que $\alpha = -1$ $\int_{-1}^{1} (x) = \frac{x(x+1)}{x^2+1}$
$\int_{-A}^{1} (x) = 0 \text{in} x = 1 \pm \sqrt{2}$
J-1 (x+) = (1+12)(2+12) = 1,2
J-1(x-) = -0,2) Calcolo 11 area compresa
Calcolo II area comprese





Fonte: Studenti.it - https://www.studenti.it/problema-2-svolto-della-traccia-di-matematica-seconda-prova-2023.html