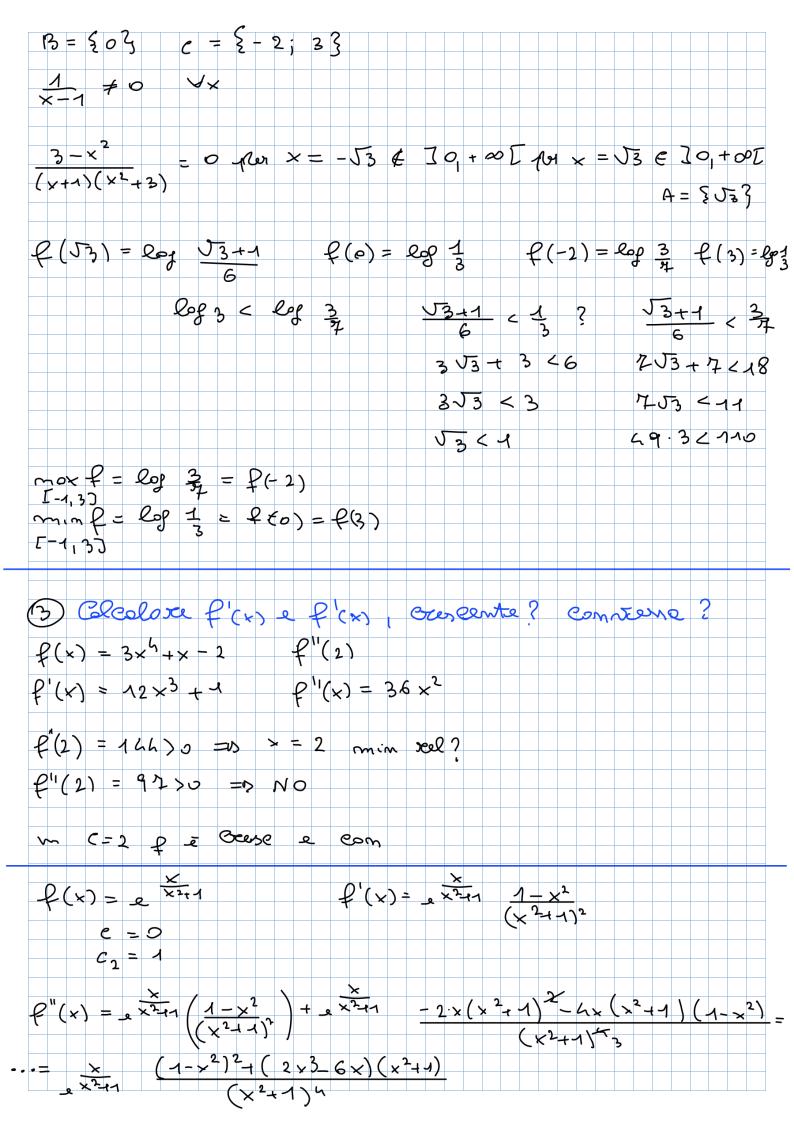


```
@ cestreumi anoluti mell'internallo indicato
    f(x) = \frac{1}{x^2 - 3x} + \frac{1}{2x^2 - x} + 1
        A = & C & Je, Q I : (c) = 0 3 - 3 nto Dionevei
   13 = { ( e ] e, le [ : 3 f (c) ] to deve non existe f
    C = { e; l 2 estremi
   f(x) = \begin{cases} 3 \times 2 - 4 \times 4 & x \leq 0, x \geq 3 \end{cases}
                                                                                                                                           x<sup>1</sup>+2x+1 0< x < 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P'(0) = -4 P+(3) = 14
                                                                                                                                                                                                                                                                                                                      x < 0 | x > 3
f'(x) = \begin{cases} 6x - 4 \\ 2x + 2 \end{cases}
                                                                                                                                                                                                                                                                                               0 < × < 3 | f'+(0)=2 | f'(3)=-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              なも(の)、まも(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 \times -4 = 0 \quad \text{five } \times = \frac{2}{3} \notin \boxed{1-\infty}, \text{ O} \vdash \sqrt{3} \text{ 3}, + \infty \vdash \boxed{2} = 0 \text{ A} = 9
2 \times +2 = 0 \quad \text{(N)} \times = -1 \notin \boxed{30, 3} \vdash \boxed{30, 3} \vdash
  \ell(9) = 1 \ell(3) = 16 \ell(-1) = 8 \ell(4) = 33
                         m_{1}m_{1} = 1 = 2(0)
m_{1}m_{2} = 33 = 2(4)
m_{1}m_{2} = 1 = 2(0)
m_{2}m_{3} = 2(4)
                                                                                                                                                                                    \log \frac{|x|+1}{2x^2+3} \times 0 \quad [-2,3]
   f(x) =
                                                                                                                                                                                     log <u>× 1 1</u> × 20
e^{(x)} e^{(
                                                                                         \frac{2}{2} \times \frac{3}{4} \times \frac{2}{4} \times \frac{3}{3} \times \frac{2}{2} = \frac{3-x^2}{(x^2+3)^2} \times \frac{3-x^2}{(x^2+3)^2} \times \frac{3}{2} \times \frac{2}{3} \times 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7 P1(a
```



```
€"(0) = 1>0 =0 Ce min reel? €'(0) = 1 =0 NO
fm C=0 è cono
f'(1)= Je -8 --1 Je <0 =0 mox reel?
P'(1) = 0 = 5 12 12 e stosionaroa.
onel 1° (=1 f he un mox real
a simostrate de e moertilie m 321+ sot
tooverce e ms di def shi f
P(x) = e^{\frac{1}{x-2}} = 1 = 12, = 12, = 12 = 12 = 12 = 12 = 12 = 12 = 12
                                                    moentibile
P: ] 2 j + ∞ [ = 5 ] m f P, sun P[
                   32,+ 00 \ 32, + 00 E
mf f = lim &(x) - 1
32;+0t x-0+0
2eyr f = lim f(x) = + P
12; + ot x-02+
P-1: 31,+00 [-6 ]2,+00 [
ale (f-1) (e2) = 1 doute e e tole ele P(c)=e2
                    £'(c)
q_{i}rolitere l'eq f(x) = e^2
2 \times 2 = 2^2 = 2 \times 2 = 2 \times 4
                                 \times = \frac{5}{2} \in \mathbb{Z}^2 + \infty \mathcal{L}
\ell'(\frac{5}{2}) = -4e^2 \neq 0 = 0 (\ell^{-1})^{1}(e^{2}) = \frac{\ell}{6a^{2}}
```

 $f(x) = \operatorname{exetom} \int_{x-x}^{x+1} |J-\varphi| - 1 \left( f^{-1} \right) \left( \frac{\pi}{6} \right)$ J-0; -1 P(x) = exection Jx+1  $f'(x) = \frac{1}{1+x+1}$   $\frac{1}{x+1}$   $\frac{1}{x+1}$ YX @ ] - 0; - 1 [ => P stret Leer Is moret mff = em f(x) = 0  $J-\infty,-1[x-x(-1)-f(x) = 0$ Sup  $Q = Q_m$   $Q(y) = \Pi$   $Q^{-1}: J_0, \Pi [-0] - \infty, -1$   $J_{-\infty}: +1$ Persolutive l'eq  $f(x) = \frac{\pi}{6}$  original  $\frac{1}{x+1} = \frac{11}{6} = \text{original}$  $\frac{\times +1}{\times -1} = \frac{1}{3} = 3 \times +3 = \times -1 = 3 \times = -2 \in J - 20, -1 = 0$  $\ell'(-2) = -\frac{1}{12} \sqrt{3} \neq 0 \Rightarrow (\ell'-1)^{1} (\frac{11}{6}) = -\frac{12}{\sqrt{3}}$ f(x) = e x211 J1, 1 [ ( P -1) (1) (proposto)

