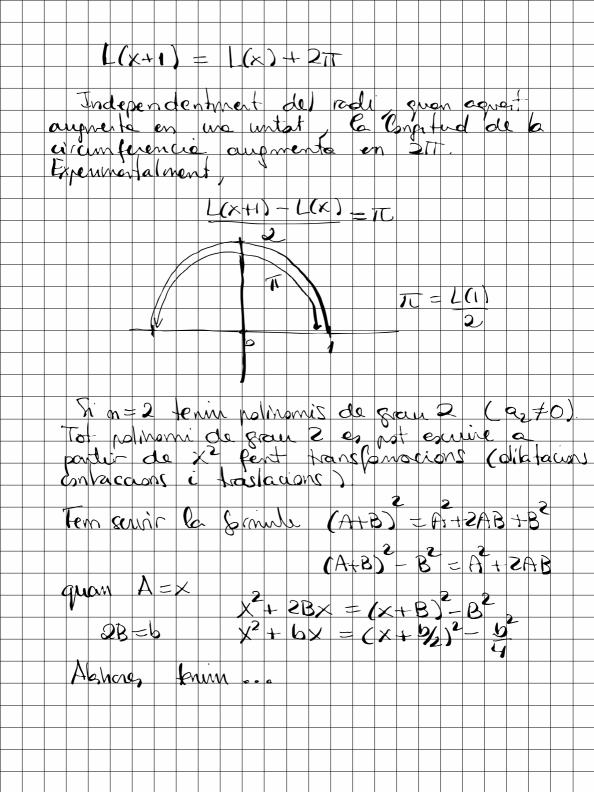
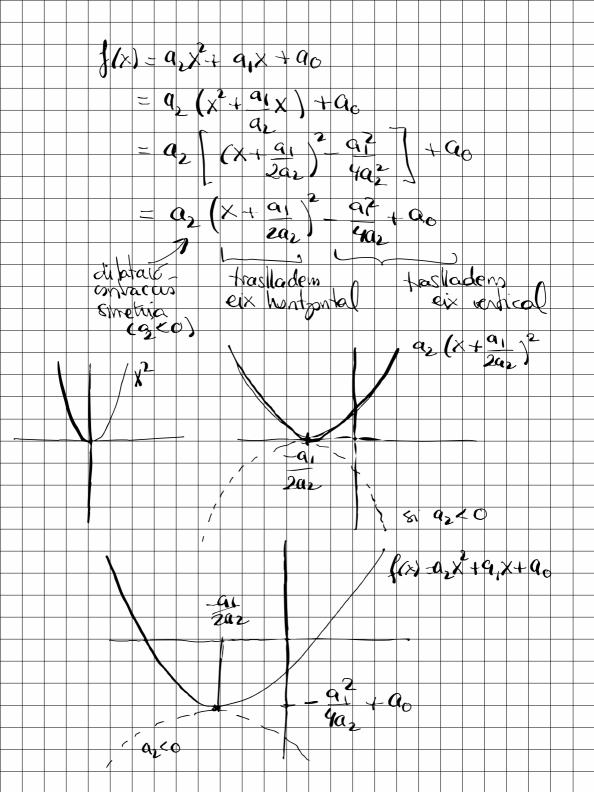
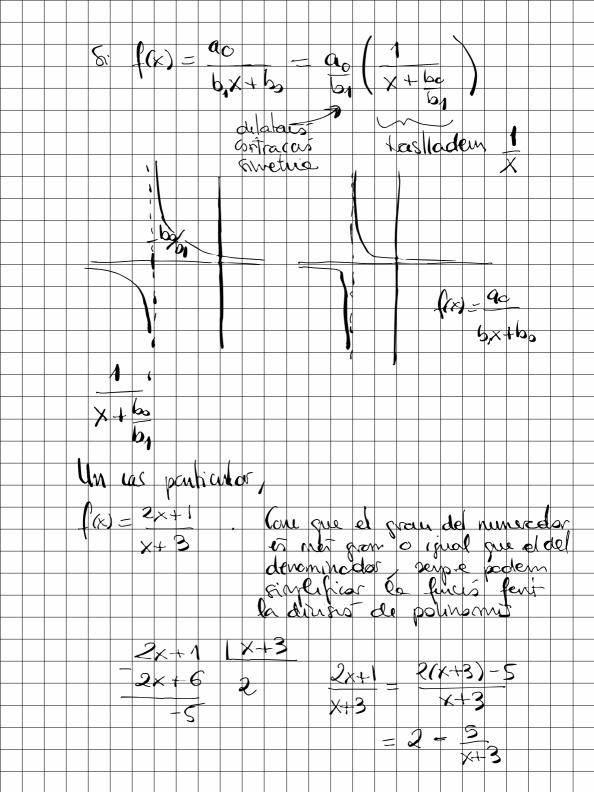
Un petit rede gir de funcions elementos Anem a posor nom i a reme algunes pornetats basques de funcións clementals. (A) Funcions polinomicals o polinomiques San de la fama (x) = ax+a x+ ... + ax + ao on a E PR some (x) = ao, la fueró constant si n=1 /(x) = ax +a0 Saben que la grafica és ma recta ja que cada cas que x enia en mo untal, y rema en a supre ao 39, (a) = ao 1 f(x41) = f(x) +a, (dieu que f en Pineal) Ja hem vist en cas, 1(2) = 21/2

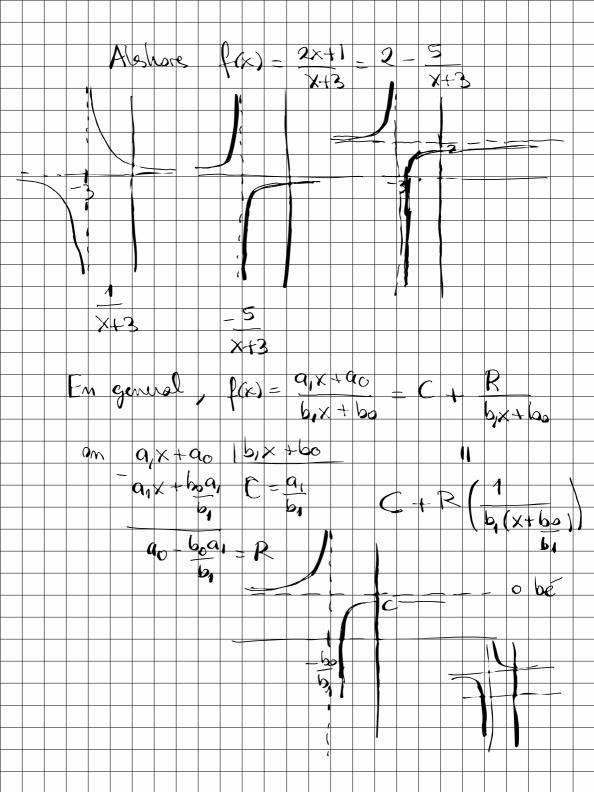


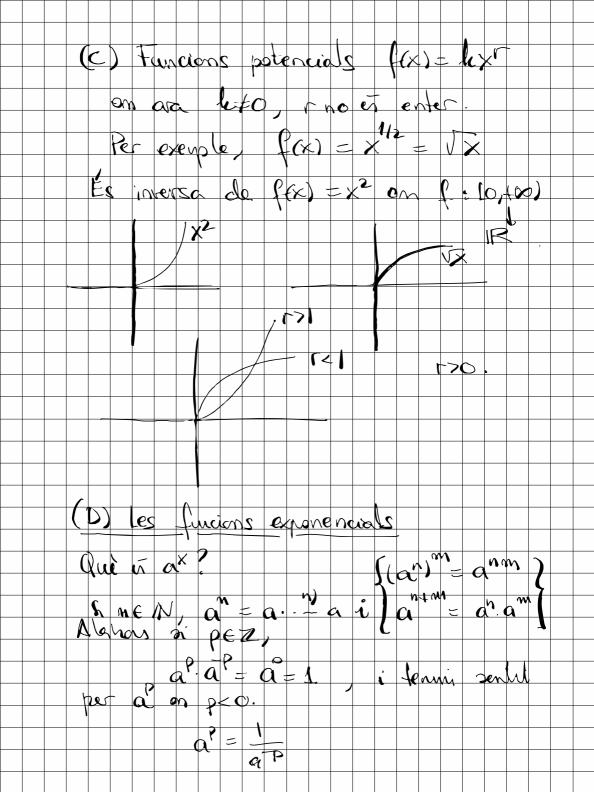


de gan 2 son mobiles de nominais Per exemple. h(+) = ho - 1 g-2 on g = ac domi l'alcado d'un carrolo Plus Per quins valors de t , l'objecte en a 4 252 + ho e 3ho < -1292 < - $\frac{3}{4} \text{ho} > \frac{1}{2} \text{Hz} > \frac{1}{2} \text{ho}$ $\frac{3}{20}$ ho \Rightarrow $\frac{1}{2}$ \Rightarrow $\frac{1}{9}$

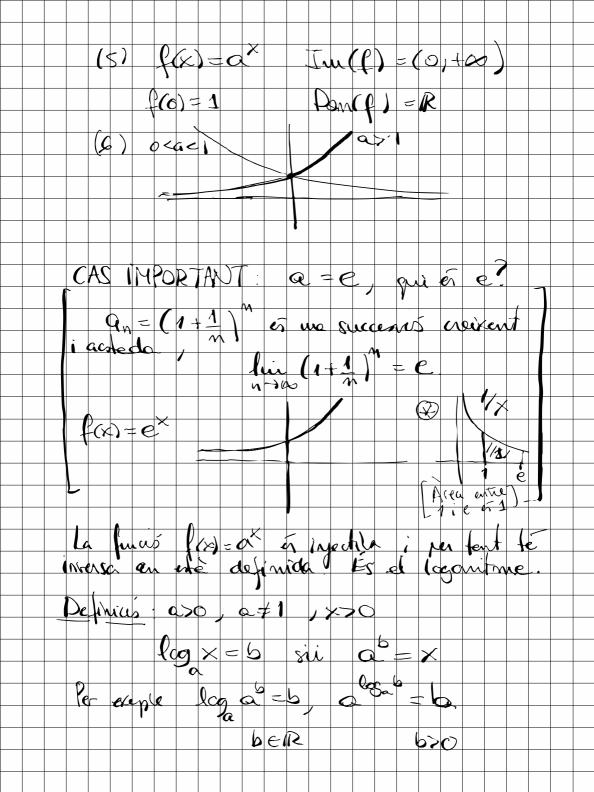
ler poinomis de gran 23 so hi ho. f(x)=x3 (x) = x(x+1)(x+2) == $x^3 + 3x^2 + 2x$ (B) Funcions racionals (A) = aotax + conx 60+6×+...+6×M Anem a venue alguns exemples, el mon senzill $(x) = \frac{1}{x}$ f: 12/01 -> 12/04 Es annismenica Anou a fer alan everple

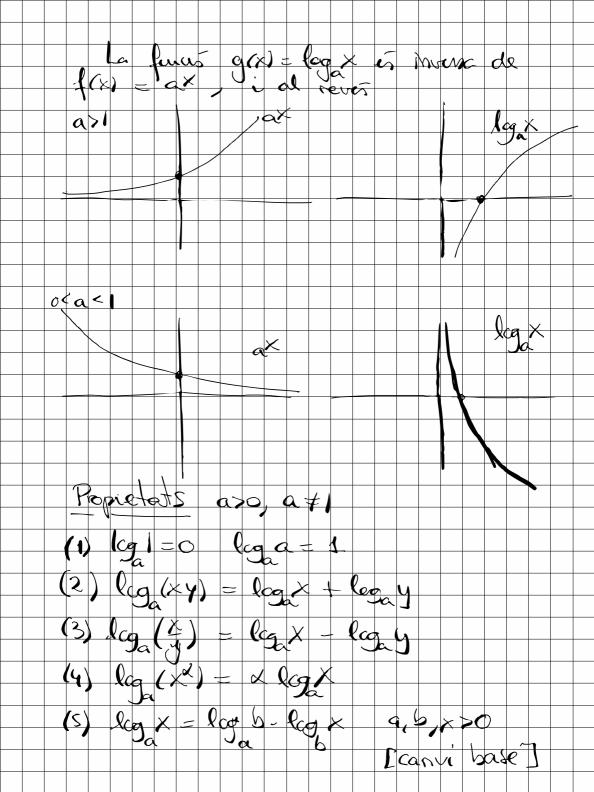


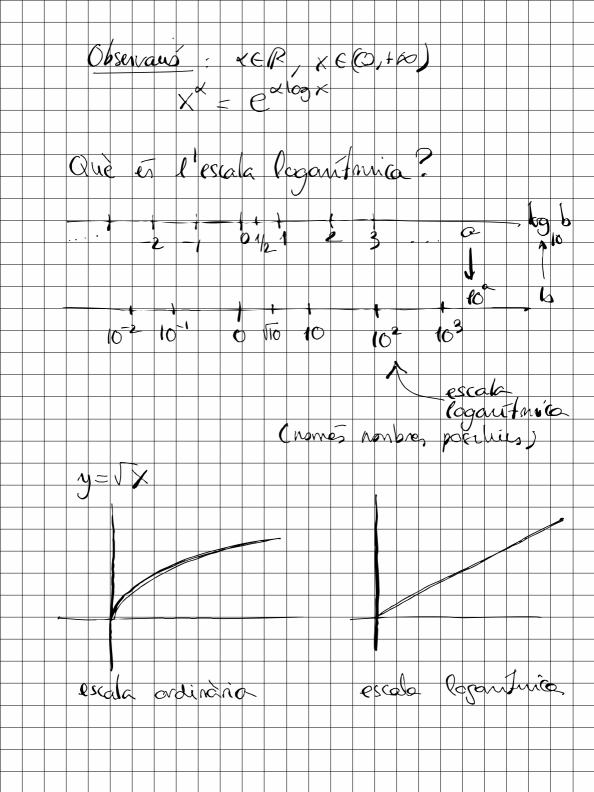


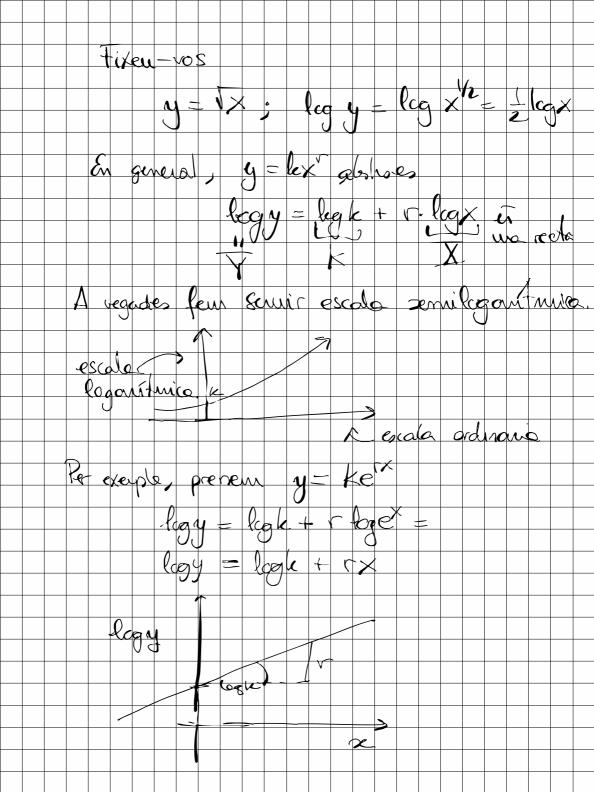


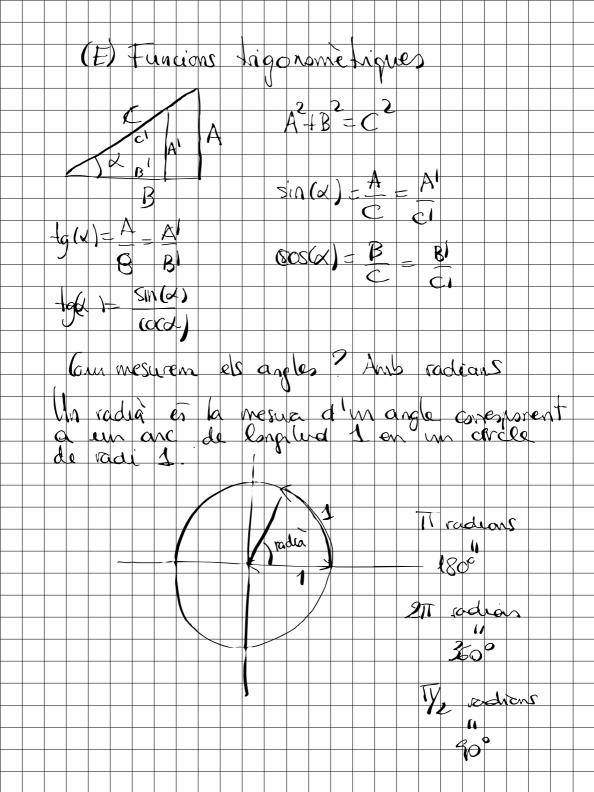


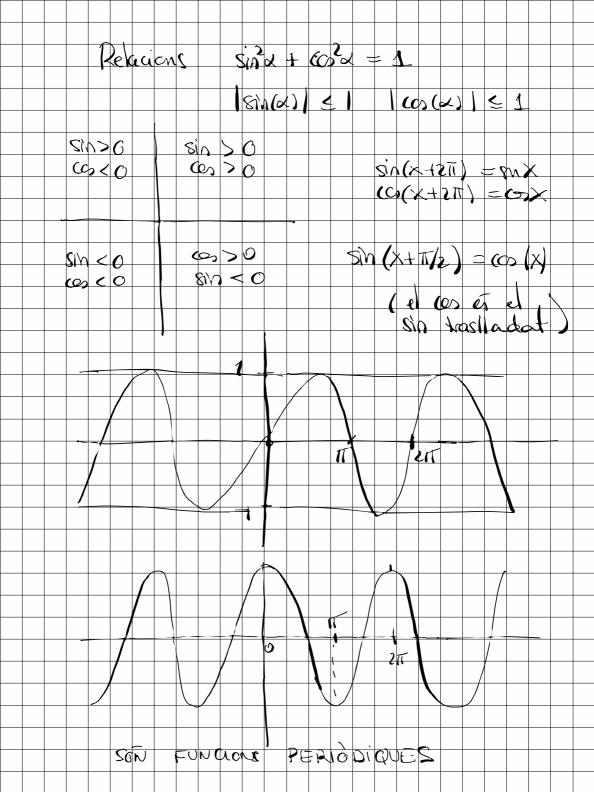




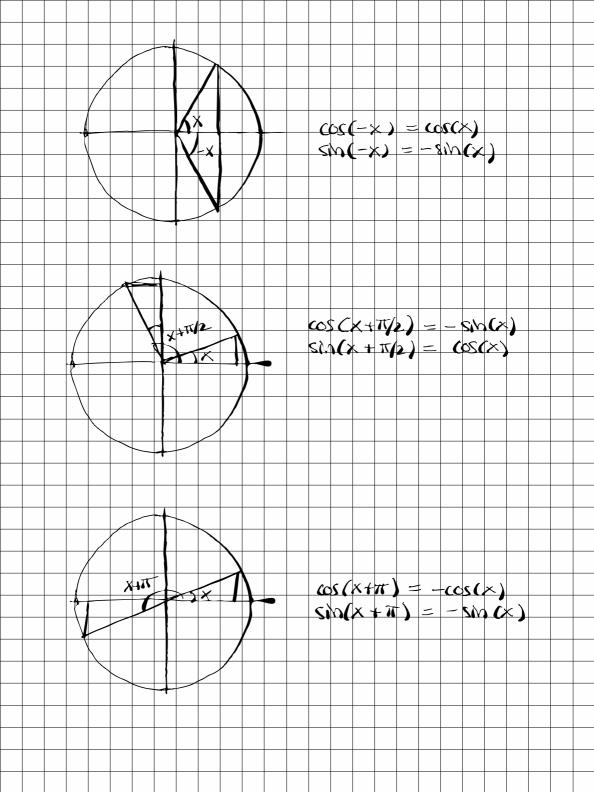








Aa a sabem dibuxor ones tasloder $\int |x| = A \sin(\omega x + \sqrt{\varphi})$ ongressis diletaus Penade T = 21 (- 1) = 0 y destasament (i recorden que cos(x) = sin(x+11/2) Repassen algunes familes per acolor.



tirel- vos que fant sin com cos no són injection à mo tenen inverso Per poder considerat la mersa, et a dir, quem ens pregnéen cosc?) = x ren de retaller la fincis i greden-ros 80: [-1/2] -> [-1/1] en injection à la arcan: [-1,1] -> [-1/2,1/2]

COS(X) (os: [0,7] -> [-1,1] te inversa ancos [-11] -> [0, 7] Tinament, que passa out la tongent? La finus tongent no esto depudo guon casas co es a der mulles senses de $f_{2}(x) = \frac{g(x)}{g(x)}$ És middice no és mucha. Però si la retallem podem considerar la musa en un tos del domini arch (X) 19(x): (1/2,1/2) -> (R te musa anctg(x): R -: (-1/2, 1/2)