14.  $f(x) = \frac{\ln x^2}{x}$ 1+1++ (In(x)(x+h)(x)(x)(x) +'= \frac{1}{2}(2x)(x)-lo(x)(1) F1=2-10(x2) (6. f(x)=10 (x /3x2-1 1=== (2/13/-144)(2/3/-1)(3)(2x) +1 = - (2x/3x-1+x2) (2x/3x-1+x2) (2x)

19 y = 10 1 (x+b) = ((br(cx-b)-1,(cx+b))) 1=== (Hn((x-b)) - = (lo(ex+b)) 24,  $y = \ln \left( \frac{2x-3}{2x+3} \right)$ 23. y = In 13x 74 y = 1 x 3 x + 12 1= ln(2x-3)= ln(2x+3) = = (1/3/44))

Pervalus Exercicales 55. For e = 1 -y===== By+1=1n(x) By=10(x)+1 = = (In(x)+ =) 57. +(+) = Vet F'(+)= 0 (3 0 t) 下门二是(中) 「(4)=分(日)(計(音)) F(+)= 8(3) F (+)= ( +)

F'(x) 专(e)(支(法))  $f'(x) = e^{2\left(-\frac{2x}{(x^{2})^{2}}\right)}$  $f'(x) = e^{\frac{1}{x^2}} \left( -\frac{2x}{(x^2)^2} \right)$ 

61, F(0) = esenta F(0)= 10 (0 xmg) f (6) = (c)(d (sen (2)) (9)=e2(2 ssn8 cos0) 7777777777777777777777 + (b) se(200) (ser 20) 63. y=e' senx y = (e x senx) y'= dg(e)(dx(x senx)) 1'= c2 ( seax + x (cos x)) +1= e x 500 x (senx +x(cosx)) Y = ex senx (senx + xe x (senx)) (cosx)