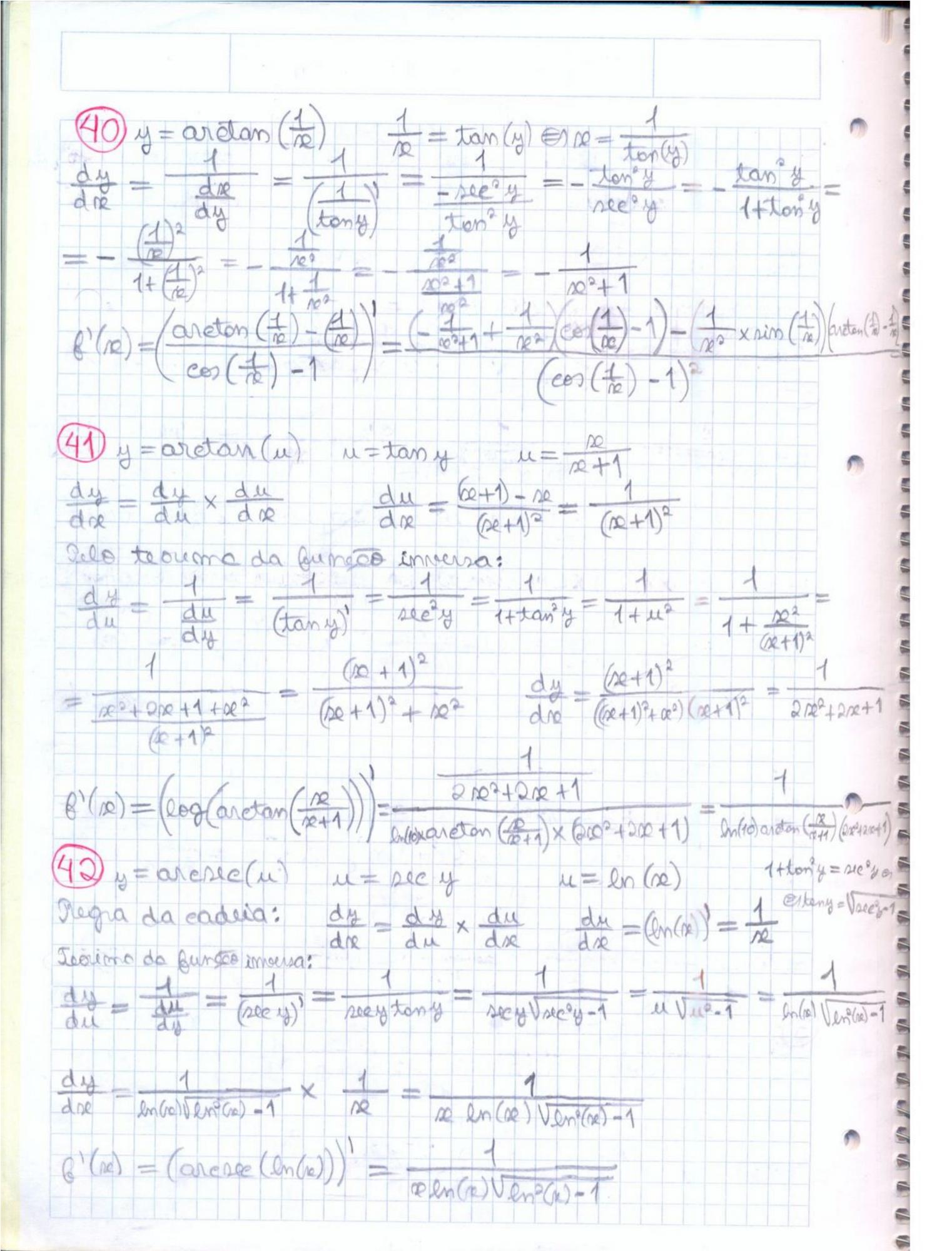
1. B. Derivação da função imversa y = are sim (th orcain 1+122 = sim (y) corerro da gumção composta; (regra do deri regos em codera) dy = copy du 212 du du (1+10°)2 dire die du Vuoe074 Demon -1 200 die 4+100% - (1+no) 1+120 DR ne Votre2 (1 (1+ne2) - (1+ne2) Votre2 (4 M2) - 1200 + 124 ry = arcton(re) dy = dre dre andon(re) see (y) To = tony 1+ton(4) = 1+102 8'(10) = (1+102)102-210 anoton(10) re-2 arcton (re) - 2 re-arcton (re) - 2 re-2 arcton (re) - 2 re-2 arcton (re) 183+125 (1+10) 203 39) f'(re) = (re? (= - areton(re))) y = areton(re) no = ton 14 Tele teoreme de la lago impersa: de = de de = see (4) dy = 1= 1+len(y) = 1+102 0 ((a) = 7/26 (= - areton(a) +.



43) y = arecore (n) u=corecy 11=122 copecy = 1+colon'yes coton y = Veorec'y -1 Juga da cadeia: du - du du du = (x2) = 2x Selo teorema da gumento imperso: coppey Veoredy-1 - copley ectony du (eosee y) - X 2/0 = 12 Vac4-1 ne > 1 ne 4 = 1 20° V 209-1 - wvu -1 du = w coou = con (sen (sen (sen (sen (sen (sen re))) = y = sen(u), = ees (sen (sen (se)) x ces (sen (se)) x (sen (se)) = ces (sen (sen (sen (se))) x ces (sen (se)) x ces (sen (se)) 12 V124-1 + con (sen (sen (se))) x cos (sen (se)) x cos (se) 44) & (ne) = (oureton (TT Vine)) = 3 (oureton (TT Vine)) x (oureton (TT Vine)) 4=aretan u u=tan y u= TTVx Dela regra do cadera: dre = (TVTE) = TT x 2 VTE = 2 VTE dre du dre Telo terrema da gunção inverso: (tony) see 4 - 1+tony 1+42 - 1+ 2011 d M 2 Tre (1+ 12 Tr2) 1+12112 2 Vice dre & (re) = 3 (arotan (TVR)) x 2V12 (1+12772