

e) Jeja R(re) = re2 eg(re) = -re2 +6re-5 4 = 202 B'(ne) = 200 g'(ne) = -200 + 6 mn = 816)=8'(b) Lejam A(a, B(a)) e B(b, g(b)) doin jorden pertencente a rete 4= -10,160 (1'(a) = g'(b) = 2 a = -2b+6 era = -6+3 A(-6+3, (-6+3)2) e B(6, -6+66-5)  $m_1 = (-b+3)^2 - (-b^2+6b-5) = b^2-6b+9+b^2-6b+5 = 2b^2-12b+14$ -26+3 -26+3 9'(b) = 26-126+14 ED-26+6= 26-126+14 E12-66-126+18=26-126+18 @126-66+4=0006=6+036-30 016=6+006=216=1010=1va=2 91(1)=-2+6=4 91(2)=-4+6=2 Na g(1) = -1 + 6 - 5 = 0 g(0) = -4 + 10 - 5 = 3 y = 200 + 60 y = 40 + 60@10 = 2x1+4 @ 018 = 4x2+60 P: No due roto 100 y= 20-2 ey=4x-5 C16=-2 C16=-5 d) 12+24-6=0 @124=-12+6@14=-1212+3 m=-12 Lya & (rc) = The 3 @0 200 Vie = 2 @0 10 Viro = 1 @0 10 = 1 @0 Vino = 100 b-1=- = (x-1) € @1 ne3 = 1 @1 x = 1 8(1) = = 1 C1 1 = - = + 3 {y = 912 - 102 2y = max - 2m + 5 e)(y-5)=m(x-2) @1 y=mne-2m+5 4 xe - xe2 = mxe - 2m +2 0 xe2 + (-4+m) xe - 2m+ 5 =0 0 Como tem que intersoto y- 400-00 maion ances porto: (-4+m)2-4(-2m+5)=000-4+m)2+8m-00=001m2-8m+16+8m-2020 ED m3-9=0000 = 400 m = -20 m = 2 \$ 5= -2(10-2) 0 0 = -200+9

A) Leja B(ne) = see (ne) e g(ne) = cosec (ne) p'(ne) = (sec (ne)) = sec (se) tran(se) g'(ne) = (correcte) = -corrected coton(ne) see (re) ton(re) = - eosee (re) eoton(re) = cos re x simple = - sim re x corre = So since = - exp R = sim<sup>3</sup> R = -1 = 1 tan<sup>3</sup> R = -1 entan R = -1 en € 1 R = - II + KT, KEZI € 1 D = 3T VR = 7T , pois se € [0,27] 9)  $y' = (1 + 10 + 100)^2 = -(1 + 10)^2 = -(1 + 10 + 100)^2 = -(1 + 10 + 100)^2 = -(1 + 10 + 100)^2$ 10 y' = y (y lm 00-1) = 10 x - 20+1 (1+10+0m10) = 1+10+0m10 (1+10+0m10 × 0m10-1) =) (1) - (1+10+0m/2) = 1+10+0m/2 (0m/2 - (1+10+0m/2)) - (1+10+0m/2) = - (1+10+0m/ A) 102 = 103 @ 102 - 103 = 0 = 102 (1-10) = 0 @ 10 = 0 V 10 = 1 m = tane P(0,40) Q(1,41) 40=02=0 41=12=1 P(0,0) Q(1,1) R'(ne) = (no) = 2ne g'(ne) = (ne3) = 3ne2 R'(0) = 2x0=0 g'(0) = 3x0=0  $y = b \otimes b = 0$  y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0B'(1)=2x1=2 4=2x+be1b=1-2x161b=-1 4=2x0-1 9'(1) = 3×12 = 3 y=30+6076=1-3×1016=-2 y=3x-2 m = ton 0 012 = ton 0 010 = arcton 2010 = 63,435° m = ton 0 @ B = ton 0 @ 0 = aucton 3 @ 0 = 71,565° Ro porto P(0,0); o onque entre os empos a dode por: 0-0=00 No jorte Q(1,1), a origina entre a censo i dade for: 71,565 - 63,435 = 8,130