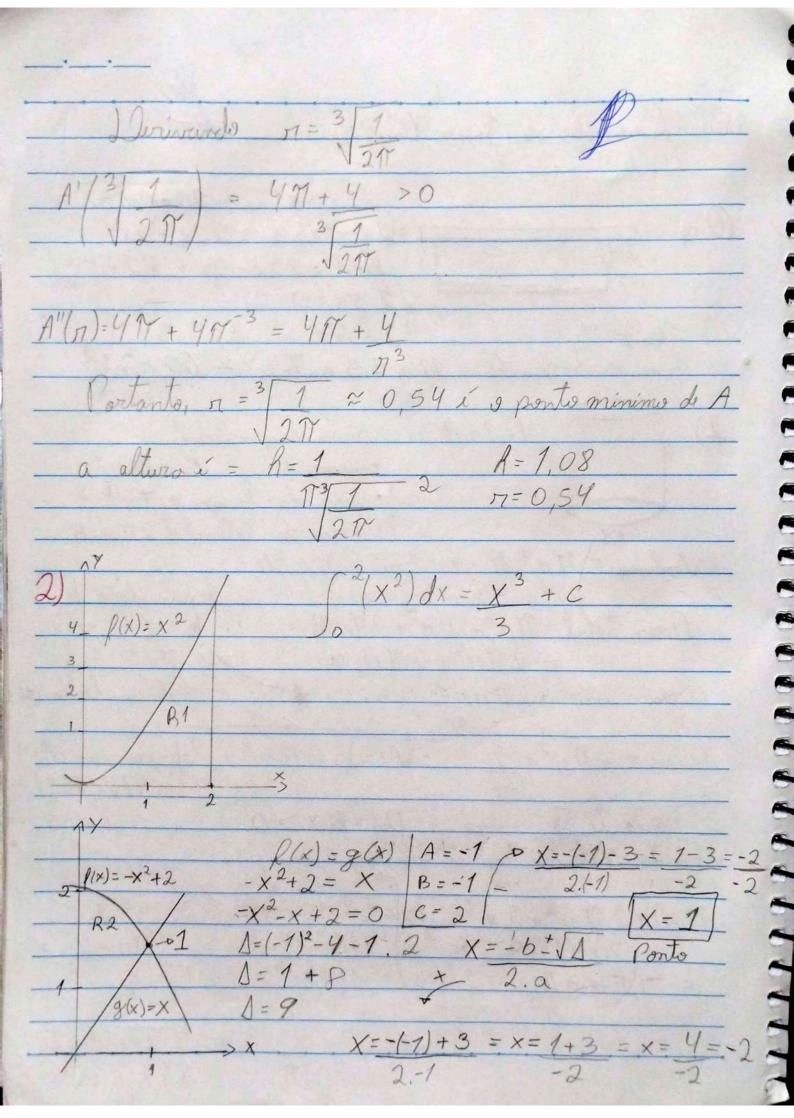
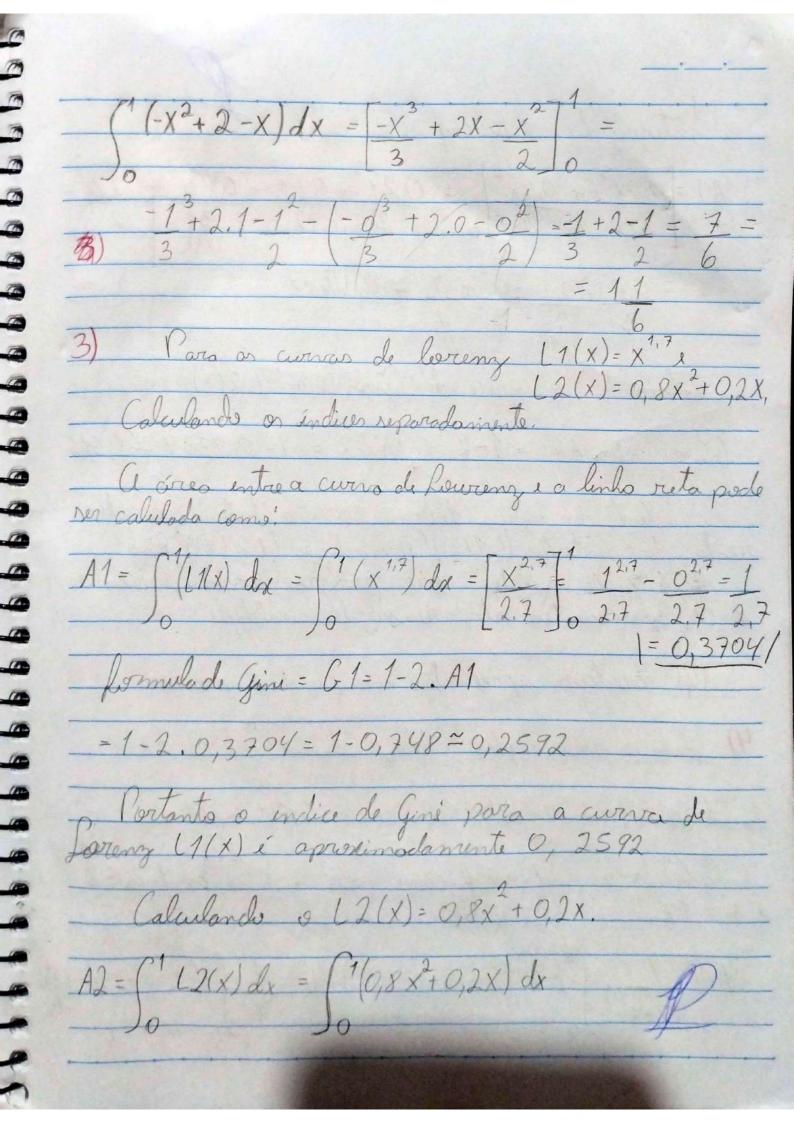
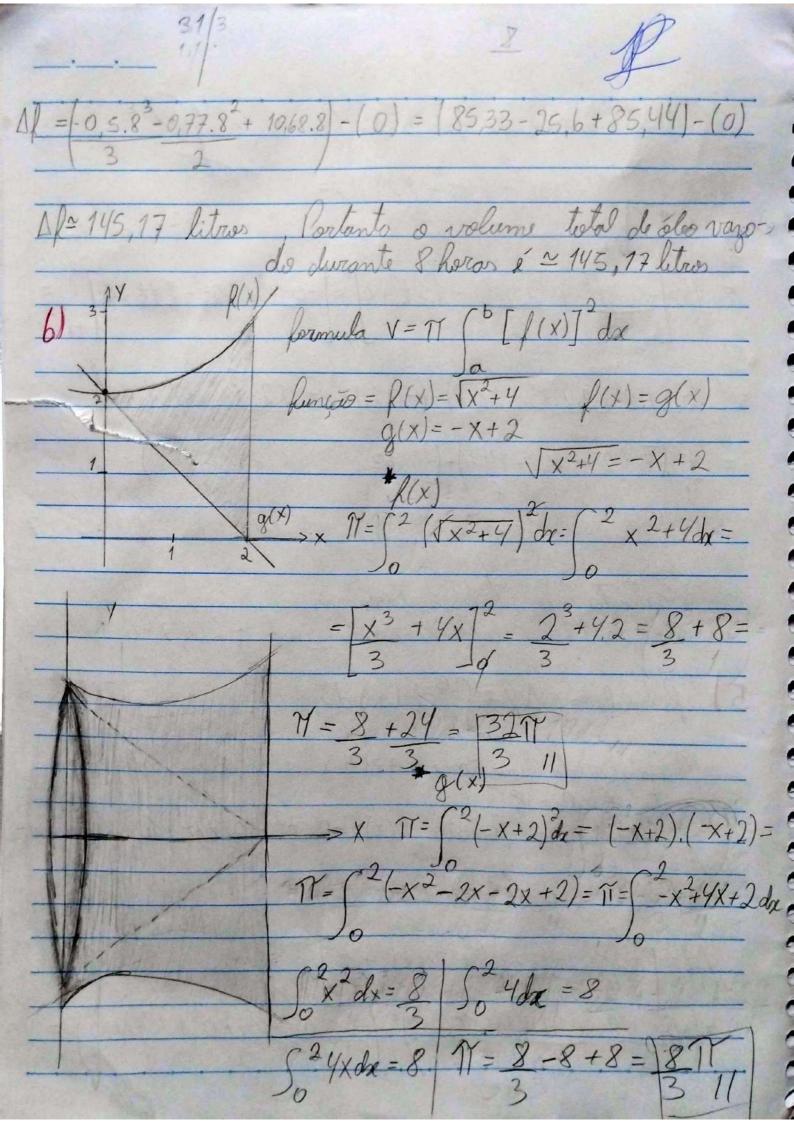
<i>b</i> ————
Nom: Leonardo de Feres Vaulino.
$0 \Rightarrow = (22-2x) \cdot x = 22x - 2x^{2}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$-\frac{12-4x=0}{}$
22-25,5)=11 $22=4x=x=5,5$
· as dimenses de cerade 11 x 5,5 metres = +60,5 m²
b) V= 1 m³ view Superficial 20\$ view Superficial 20\$ view do lundo = 17 77 2
207 ° área do fundo = TT 72
· irea da Tampa = M 12
Volum = Mr2. h = 1m3 = Mr2h
1. 1. h
area total = 1/12 + 1/12 + 21/11. h h=1 = 21/12 + 21/11. h \( ) 1/12
$= 211\pi + 211\pi h *$
Croa = 2Mn2 + 2Mn. 1  Nor2  Nor2
Grew = $2\pi n^2 + 2$ $= \frac{11\pi}{7}$ $= \frac{11\pi}{A(\pi)} = 2\pi n^2 + 2$ $= \frac{11\pi}{n^2}$ $= \frac{11\pi}{n^2$
Total.
Pontos críticos
- Contro oruncos  ( De Lacadande a zero
$A(\eta) = 117\eta^2 + 2\eta^2 = 1$
$= A'(n) 4 \pi - 2 \pi^{2} = 14 \pi - 2 = 0 = 4 \pi = 2 =$
$= 4\pi - 2$ $\pi^2$
$= \pi^3 = 2 = \pi = \sqrt{\frac{1}{2\pi}} - Ponto$
TIT V2T Gutico





Integrando a função  $A2 = \begin{bmatrix} 0.8x^3 + 0.2x^2 \end{bmatrix}^1 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 + 0.2.1^2 - 0.8.0^3 + 0.2.0^2 = 0.8.1^3 + 0.2.1^2 + 0.2.1$  $= 0.8 + 0.2 - 0 + 0 \approx 0.4667$ Cabulando o indice de Gini para (2(x) 62=1-2.A2=1-2.0,4667=1-0,9334~0,066 Portante os indices de Gini para a distribuições de renda dos dentistas (L1(x)) e medicas (L2(x)), são 0,25,00,06 sendo que valores mais proximes de O, consequentemente, menos desigualdade Os medius apresentão um indice menos 4) Função volor medio = Vm = 1 (b f(x) dx T(t)=-0,3t2+2,4t-1,8 Para 0 < t < 12 Colculanda usando a função valor médio orde a= 8 2 b = 17.  $V_{M} = \frac{1}{17-8} \int_{17}^{8} (-0.3t^{2} + 2.4t - 1.8) dt = \frac{1}{9} \int_{17}^{8} (-0.3t^{2} + 2.4t - 1.8) dt$   $\frac{1}{9} \int_{17}^{8} (-0.3t^{2} + 2.4t - 1.8) dt =$  $= \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t^2 - 1.8t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t^3 + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.3t + 2.4t + c}{3} \right] = \frac{1}{9} \left[ \frac{-0.$  $= \frac{1}{9} \cdot (-0.1.8^{3} + 1.2.8^{2} - 1.8.8) - (-0.1.17^{3} + 1.2.17^{2} - 1.8.17) = -1.8.17$ = 1 (51,2+76,8-14,4)-(-1913+346,8-35,6)= = 1. (112) - (-175,1) = 1. 112 + 1751 = 1. 186,3 = 20,7 as 8 h as 17 h & aproximademente - 20,7°C 5) formula = Af= (Bf'(X) da Jinicio da vazão i A=0 1 0 as Roras de va-zamento i B= 8 Colocardo a função 7(t)=-0,5t²-0,77t +10,68 na for-mula.  $M_{1} = \binom{8}{-0.5t^{2}-0.77t+10.68}dt = 0.5.1t$ 



6) continuoção: ((x) - g(x)  $\frac{32\pi}{3} - \frac{8\pi}{3} = \frac{24\pi}{3} = 25,13 \, \text{cm}^3$ Calculardo a densidade = 5,2 g/an 3 25,13.5,2 = 130,679 a marsa de Pelo 1 130,67 g L= (b) [1+[p'(x)]2 da Y= 2 sen(MX) Colcularde a integral: [0,60] (6) (1+/21) cos (1/x) 2 dx = - O Coleuladoro