200 3 y"(x) = cy (x) =0, y(0) =0, y(9)=y'(8) =0, x & (0,1) cost1: $C = 0 \Rightarrow y(x) = Ax + B \Rightarrow 0 = y(0) = B \Rightarrow y(x) = Ax$ 7(8) +7(8) =0 = 84 + 4 =) A=0 =) triyel organ case 1: cxo 2: -w r==w y(x) - Aeux + Be-wx y'(x) = A Henx - BHE - xx , 0 = y(0) = A+B => y(x) - A(exx - exx), y'(x) = AH(exx - exx) 0-7(8) 27(8) = A (88-82) + AN (84-6-84), A\$0 =>- H= 84-684 = tanh (84) function tento(x) inner Vold, therefore we and mening a trivial engine COSE 3? CLO CENT T= +HI Y= A COG WX - BOOM 0 = y(0) => A=0 => y=Brinux y= Bucograx y(x) = y(2) = Brin(q1) = BH (5(QH) =0, B\$0 =)-W = tan(8H) for all the answers (except o) we'll get com? Y(x) = bin(Lx)