=x3 Solve y +3y +2y = 4x2 1 - 3y = 8-e +4sinx 1 m2+3m+2=0 D X = 0  $m^2-3m=0$ 1 = [c, ex + c2 e2x m=0,3 Y= 6, + 62e<sup>3x</sup> Y= 6, + 62e<sup>3x</sup>  $V(D-3) e^{3x} = 0$ ros et i 1-25 yp p3 (D2+3D+2)y=0 (D=2(0)D+(0)+(1)) Sin X 0,0,0 ~ (D2+1) SinX  $(D-3)(D+1)(D^2-3D)y=0$ 1 = 4 + Bx + Cx + E & + E & + E & + E & x 3 = 1 0,3