

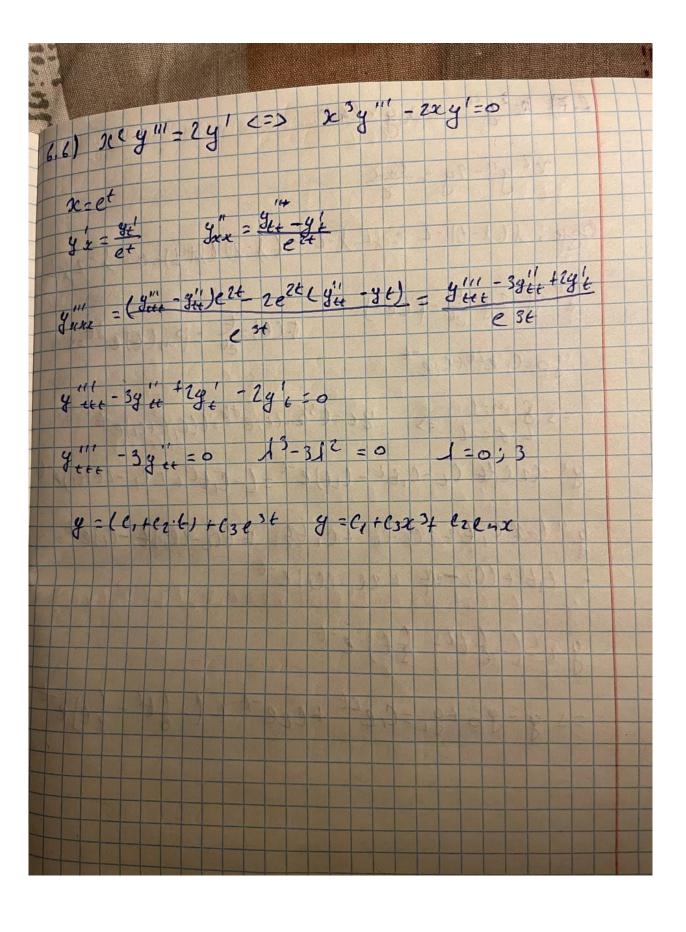
6.8) y" + 2y" + y = cos (ix) Douge peuvenue uneem bus Twansky cosin = \fer \frac{1}{2} e^2 \frac{1}{ ý zae + brie-x Trogenables y & garrice grabuerul,

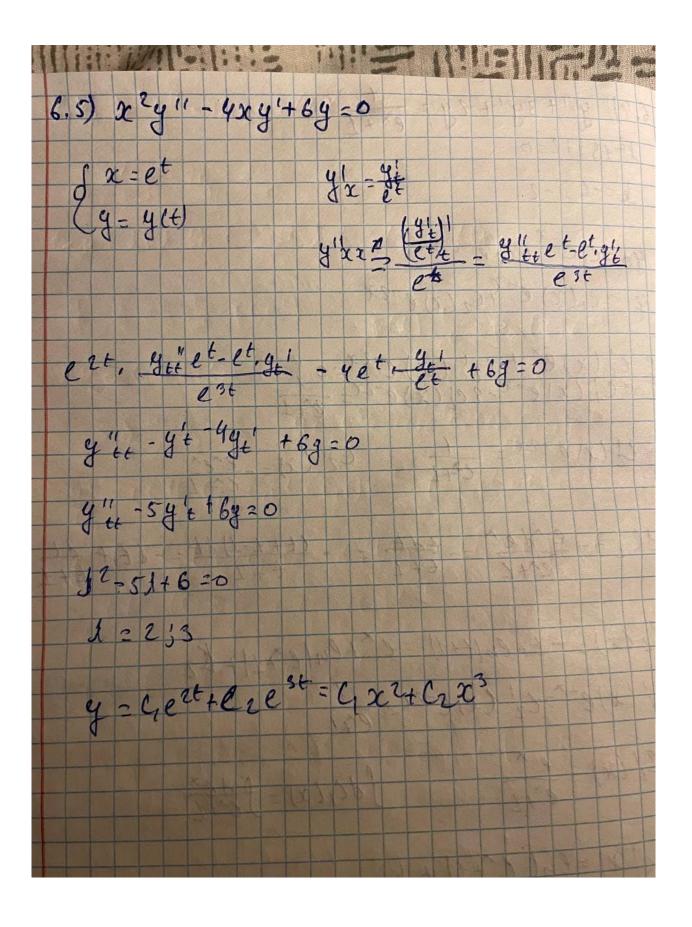
nouralu mosugaembo amenorumusus

10, uz romanoro allgejem, uno

2 = \frac{1}{8} = \frac{1}{4} => 4= = + 12 = x + C1 e x + C2 12 e x

FINE SHEET SHEET SHEET 6.7) x 3y" - 2xy-lax 22 411- 24 - En 2 Ogn: 1(1-1)-2 = 12-1-2 = (1-2) (++1)=0 1=2;-1 y"-g'-2g=t= Flet) FCE)=t= - Punctie st=s you chetteret => & m=1 => ye=t3 & m(t)et=t(c,t+cr)e-t y'-cecte ce-citi-cetle= = t-citi+cci-ettce)et g"l-20, t+20, -ce +0, te + Cce-icut-cuet= = litte (Crtat + 2C-ECISE + 91=(-ft- 5E)e-t => g= go +g, = Celt + Cel+ (- ft - gt)et





6.4) y"+3y"+2y= 1 12+31+2=0 40=C1e-x+C2e-2x y = c,(x) e + c2(x) e - 2x { c, (x) e x + c, (x) e 2x = 0, { - c; (x) e - x - 2 c; (x) e - 2x = 2+1 - (2(x) e 2x = ((2) (x) = e^2) dez=-erder = tdt = - (++-1)dt = - 6+ 4t + 4t C2(x) = - ++ en(+1) = e + en(e+1) + K2 Ci(x) = ex | Sdc,(x) = fex C(12)= en (+1) + k q=(ene+1+k)e+16n(e+1)-e+k2)e-2x

