Wilston Bilanny 308533 y(0) = 0, 7(1)=0 Rozming remit szureplat nommania Ma a + 0 y = 1 1° a > 10 Rosninsmy majpilow y"+xx y=0 Row ogstne top nom y= un sim (vax) + (2 (on(vax)) Water som ogshet poez. som to y = C, sin (Ja x) + C, con(Ja x) + 1/a them zeby y(0) 20 mile 12 + 12 =0 62 = - 1/2 y(n)=0 with 4 sin (Ja) - 2 ss (Ja) + 2 =0 10 siml Ja) +D when  $c_n = \frac{\frac{1}{2}(con(\sqrt{a})-1)}{sin(\sqrt{a})}$ 2 SiN( TO) ~0 1 Va= K211 KGIN bas ( Te)=1 mine -1 bo(va) +1 =0 2 Ja = h 211 + TI holl with 60 (va) = -1 6 2.1=0 4 with the Ta = h 211+11, a lattale a= (2h11+11) hard

mik mer now

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Wilton Polerrugh 306533 Zol 15 C.D. 1 23 0 < 1 Rozmajing najpiem y' ta y=0 Rozm apèhe tego nown. to y= 6, e + Lz e With von aghe pour nounte your + cre + 1/a Mary Leby y(0) = 0 where contact = 0 = - 12- 2 y(n)=0 Wife (ne tine + 1 =0 C2(e, -e) + 2(21-e) =0 0 = 1 (e -1) (e-J-a - ρ, vige Da a < 1 ma vor

Walton Pilaruph 308533 200 15 C.D. 2 3 0 = 0 y'' = 1, y(0) = 0 y(1) = 0vom ogólis y"=0

100 y=6,+ c2 X man brulphe y''=1 to  $y=\frac{1}{2}x^2$ via ogshe to y= 4+62 X+ 2x (huy y(0) = 0 => c, =0  $y(1) = 0 \Rightarrow c_1 + \frac{1}{2} = 0$ C2=10- 1  $y = -\frac{1}{2} \times + \frac{1}{2} x^2$  spelnia someway Wilston Pilorung 308533 Zod 17 y"- 2y=0 y (0) = y(B) = D B + 0  $1^{\circ}\lambda < 0$ pright Amyn  $y(x) = c_1 con(\sqrt{-\lambda} x) + c_2 con(\sqrt{-\lambda} x)$  $y(0) = 0 \implies C_1 = 0$ y(B)=0=> ( sin (J-) B)=0 No C220 2° C2 + O norn trymidre Sin (V-JB) \$\overline{A}O V-1 B = mil n6/N  $\lambda = -\left(\frac{mT}{b}\right)^{2}$ hill many nartoshi Wasne }= - (m]) i funkcje włage blo tegor (x) = 5 nm (mt x) blo n EIN+

oron funky entoure bla (cgs )  $y(x) = \frac{\sin(mix)}{p} + \int da note$ 

Walter Pilaruph 308533 Ja 17 C.D  $2^{\circ} \lambda = 0$ with  $y = c_1 + c_2 \times y = c_1 + c_2 \times y = c_1 + c_2 \times z = 0$ where  $y = c_1 + c_2 \times z = 0$ y(B)-0-> C2=0 Many tylke row trynishal J=0 3° \ >0  $y'' - \lambda y^{-2}$   $y(x) = c_1 e^{-1/3} \times c_2 e^{-1/3}$ Meny ! y(0)=0=> 6,+ 6=0 y (B) = 0 => C, e TB + C, e B = 0  $z_2 \left( -\frac{\sqrt{X}B}{e} + \frac{-\sqrt{X}B}{e} \right) = 0$ with 62=0=> 6, =+ Many tylks som trypriatre y=0

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