1. p. N2 MMDC Bougauce N1.1 Repuno D.E.  $r'' + \omega^2 r = 0; \quad r' = 1 \Rightarrow r'' = 1^2$ XAPOURT. ypoub-e: 12+W220; 1,2=+ iw; r= C, cos(26) + Cgs/n(26);  $k_0 = C_1 = k(0);$ r'(0) = - C, W+sInD + C, W ces(0) = C, W=163 => r(t)=10 cos(wt)+ 10 s/n(wt) Boosd + AsInd = JA2+B2 Sth (X+9) llenone zyem polytylo Thirounespur. op-my, nongrocery! cosp= A Shap = B SAZABZ ] A=10; B= 0; Volger:  $V = \pm \text{ others} \left( \frac{\Omega^2 r_0}{V_0^2 + V_0^2 \Omega^2} \right)$ Vorgol: - JA2+B2 cos/2+p)=  $= \sqrt{\sqrt{2} + \frac{\sqrt{2}}{\sqrt{2}}} \times$ x cos ( fult ources ( Now - 1/2 + 52) Drewdol hongroven, to annurged A
porbuo:  $A = \sqrt{V_0^2 + \frac{V_0^2}{N_0^2}}$ ,  $\nabla - \kappa$ .  $\omega = \sqrt{\frac{\kappa}{m}}$ ,  $\nabla o$ nonymore M:  $\sqrt{k^2 + \frac{mV_0^2}{k}} \leq L$ , 2geL- poice TO HILL MEXQUI horoxemen polico-Becus r=0 4 cremos, R KOT. pluntes upptilles