No

Date:

Tugas 6.1

$$2ydy + 24de = 2ede \implies \frac{dy}{de} = \frac{c-6}{y}$$

$$\frac{dy}{du} = -\frac{1}{f(u,y)} = -\frac{2uy}{y^2 - u^2}$$

Selvingga:

$$b \frac{dv}{de} + U = \frac{2k \cdot (Ue)}{6^2 - U^2 e^2} = \frac{2U}{1 - U^2}$$

$$\frac{dv}{dk} = \frac{1}{k} \left(\frac{2U}{1 - U^2} - U \right)$$

$$\frac{1}{u} \left(\frac{U + U^{5}}{1 - U^{2}} \right) = 0, u + U^{3} = 0 \rightarrow U = 0$$

Tugas 6.5. y"+ sy'+6y = 0 y"+ 59' + 69 15. Untuk persamaan kodraf. b - 4c = 5 - 4(6) Personne Dipeners persamaan Difercial 6:-4-6>0 y (t) = lie "t Czerzt p2+5+ +6 = B P1 = -6 + N62-96 -2.5 60,5 K2 = -b = \(\sqrt{b^2 - AC} \) 2,5 - 0,5

$$y(t) = \frac{-2t}{1} + \frac{1}{2} + \frac{1}{$$

$$\frac{9(t)^{2} - 1(e^{-2} + 1(2e^{-3}))}{6 = (1e^{-2} + 1(2e^{-3}))}$$

$$e^{-1}(1 + e^{-3})(2 = 0)$$

$$\frac{1-e}{y(t)} = \frac{1-e}{1-e} = \frac{-2t}{1-c}$$

$$y(t) = \frac{1}{1-e} e^{-2t} + \frac{-e}{1-e} e^{-3t}$$

