

$$\begin{cases} x = \int_{0}^{\infty} \int_{0}^{\infty$$

(1) a)

ķ÷qx dx = ax ∫ de = ∫ax

·T=i $x_6 e^b = \frac{1}{2} K_0$ $at = \ln \frac{1}{2}$ ti -1.101

setler i=0

 (\mathcal{L})

6

6) v= kp(Vr -y)

V(k+kp) = kpvr $V = \frac{kp}{k+kp} \vee V$

Jp= 4, p+ 4, & p- 5 p- 5 p=0

2465= - 5

Underdempet

(3 d) Ustabilitet giernam metains (2) Vil foreste at skipet ger , sirtler, og frager dår 1/15 md (t) P-(K1Kp)p- K1 P =0 = k1+ kp= 2 w. S $\begin{aligned} & \text{$K_{\rho} = 2 \text{ ws } $0.1 + k_1 = 4572.02 \text{ $0.762.} \ $\frac{1}{2} \text{ 0.90} = \frac{6.17.10^8}{2} \\ \text{0.90} & \text{0.90} + \text{$K_{1} \text{ 0.90}} \\ \text{0.90} & \text{0.90} + \text{$K_{2} \text{ 0.90}} \\ \text{0.90} & \text{$0.$

i) Force kobling

100