dv = -KJy O) f = 0, y = 40f = T, y = 0dy dy dy $\frac{dy}{dt} = -\frac{k}{F}$ V=44 $\frac{d}{dy} = A$ $\frac{dy}{dy} = \frac{1}{A}$ A $\vec{1}$) $\frac{d\epsilon}{du} =$ =-4 KJ dy = A Sig the yzey ===== [yz].. $T-\epsilon = 2 A I (y^2) - y^2$ $\frac{k(\tau-\epsilon)}{ZA} = 5$ 190 CT-FR SY

BOARD OF STUDIES G(<u>K(t-€)</u> =y . . .

OF STUDIES 40 4=10 HEST y=-420 34 f= 3T $\left(1 - \frac{10}{T}\right)$ = yo 1-2=10 2=10 2 T=55 1. 5 secondo

Zn= Cos(a+ NB) + ism (a+NB) 6 Zo = Cosd+Bind $Z_{1} = COS(O+B) + iSm(O+B)$ d 202) the ext < g a polypanalt equal sizes and trang At are all equal $\overline{P_iP_i} = \overline{Z_i}$ Since Zi=Zz=Zz (dotanee Esser 2 0= 23- 22 > 2, -20 30 1= = 22-2, -20 - 2, -20 -20 02/WB8

·19090 & m (2) P, Po = OPo (given) tan L PIOPO = LOP, Po Chase Lg =X Bosd) 0.= 20 (ext. Logs) X= 00 In A PoPiPz PoPi=PiB (given) = \$ 0%. LPOPZP, = LP, PoPz (base Ly roud) $= \beta$. $Q_1 = 2B$ $B = \underline{O}_1$ since Oo=O, Cfouri) Q =B À LPOOP, = ZPOPZP,

02/WB8

Gutte OPOPIPZ Cycliz guad > LPO OR = CBPZP > < subtands from the Dame chord. m & P, P2P3 simplarly, KRARKE LBP3R= LBPPP base (og & congruent (because Bus ds d 0,=02) R POP,BB B white quad $10t \angle P_3P_2O = S$ S= TV-02-2P.P.P. = t - 0 - d $\angle P_3P_1O = \overline{V} - O_0 - \angle P_2P_1$ = T - O - dCome LPOP2R,= = TI-02-0 2P. (sind to = 02 from;) LPZPOP, from 11') = 2P3P2 0. 02/WB8

OF STUDIES (1)) OPOPIPERS are CONSI concepte -> < Subtant Somthe some segment. (1) = cos d + is what = cis ZI = COSCONB)+BM (ONB) $Z_2 = COJ (X+2B) + 3M(0+2B)$ $Z_3 = \cos(d+3B) (isin (d+3B))$ $Z_4 = \cos(\alpha + 4\beta) + 3i\lambda(\alpha + 4\beta)$ Zn=cis(X+nB) Zo+ 21+22+23+24 = W3 (At = (3d+c3)(0+p)+c3(x+2p)+c3(x+3p)+c3(x+2p)+c3(x- Joset 8 as at equate real coston pores BOODDED.

BOARD OF STUDIES NEW SOUTH WALES 6) Q . OR= ſ ,

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