Prelab 10

b) varA (os(wot) + A (os(ywot) vit) = a0 + R (a; (os (w; t) + b; SM(w; t) ap= = f A cos(wot) + A cos(ywot) dt T= Wo a; = 7 (Acos(Not) +A(OSGWOT)) (OS(WET) At bi= 75 (Acos(u.+)+Acos(uw+)) 57n(v;1) dt V(+) = A (OS(Wo+) + A COS(YWo+)

(antinued)
(b) V(+)=A(OS(Wo+) A(OS(YWo+) $a_0 = 0$ T $a_1 = \frac{2}{7} \int A(os(wot)A(os(ywot))(os(w;t))dt$ a2 = 0 4-0 $V(t) = A(cs(w_0t))$ when O(t) else O $Q_0 = \frac{w_0}{vr} \int_{0}^{t} A(cs(w_0t)) dt = \frac{w_0}{vr} \cdot A$ $Q_1 = \frac{E}{w_0} \int_{0}^{t} A(cs(w_0t)) (cs(w_0t)) dt$

