

$$V(t) = R(t) + tR'(t)$$

$$U(t) = V'(t)$$

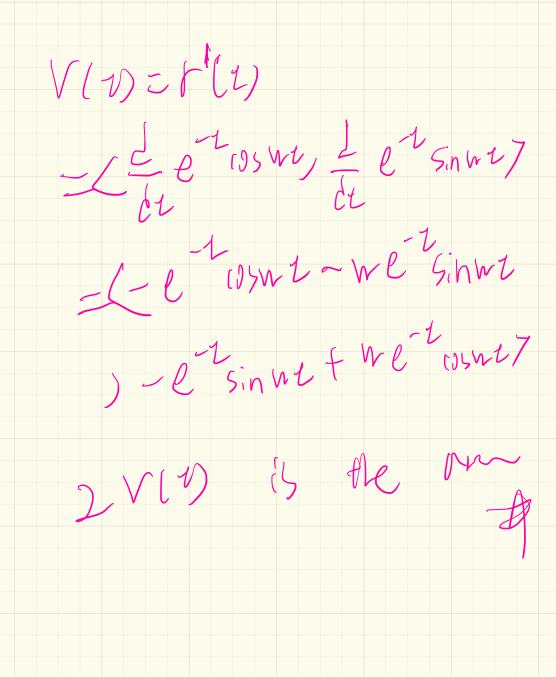
$$= R(t) + R(t) + tR(t)$$

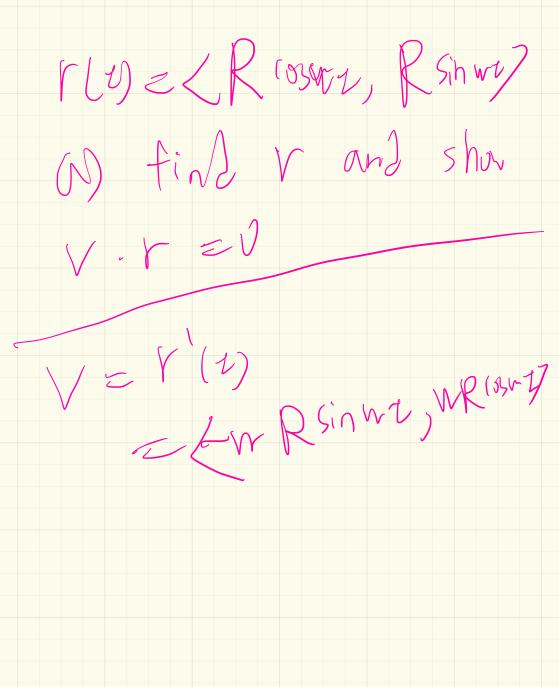
$$= 2R(t) + tR'(t)$$

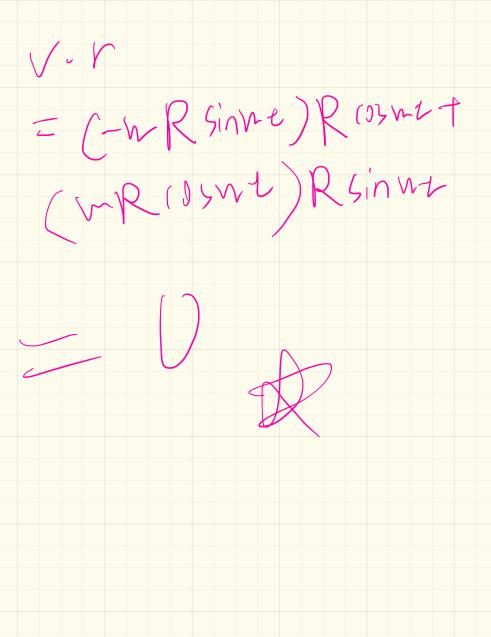
$$= 2R(t) + tR'(t)$$

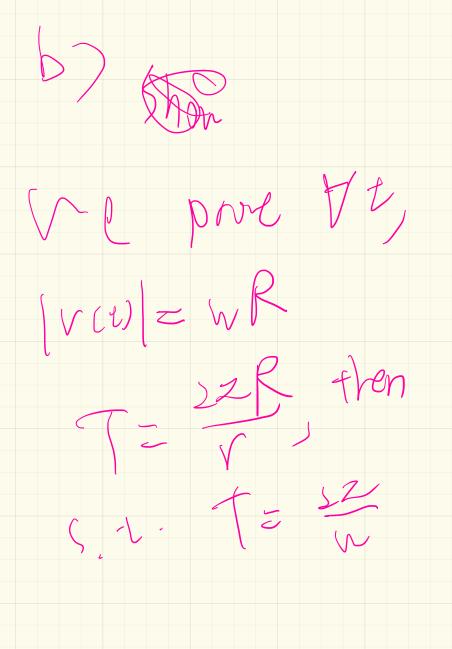
$$= 2R(t) + tR'(t)$$

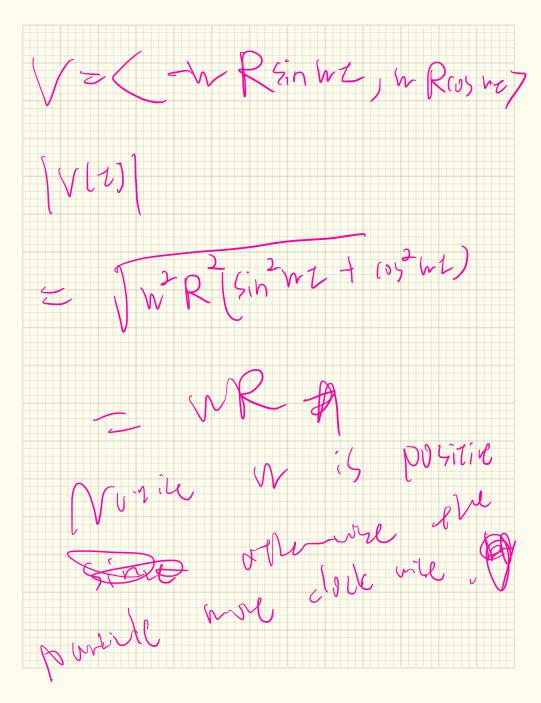
La Contine DV(v) fur r(v) = / e^{-t} coswt) Que sin well

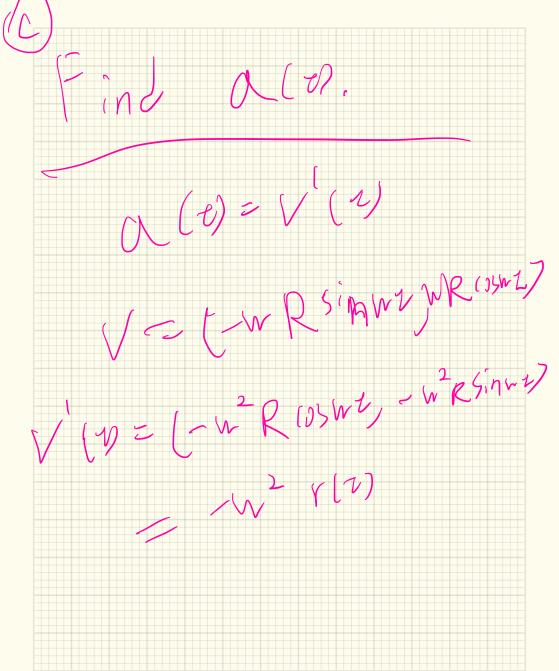


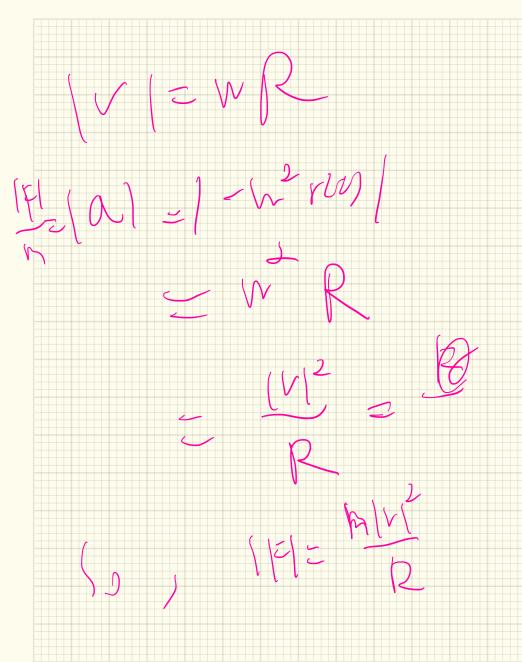












 \mathcal{O} $\mathcal{O} = \frac{z}{3}$ (1) = Vosin 2 - Ot Volul muximum is to g