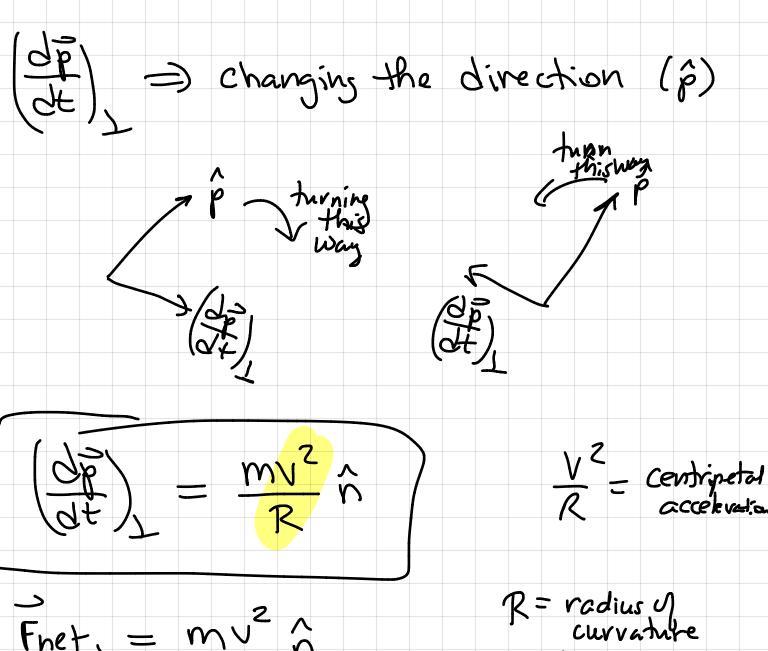
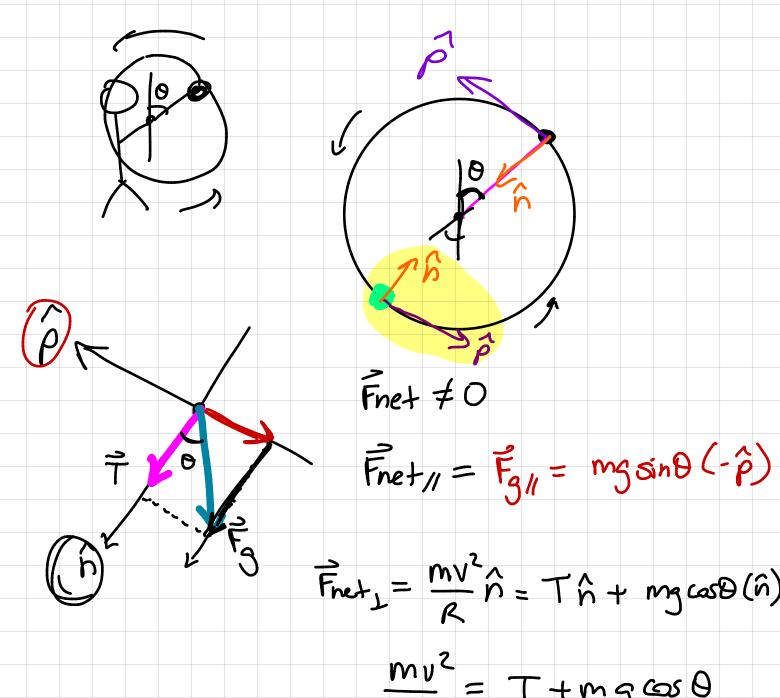


$$\frac{dt}{dp} = \left(\frac{dt}{dp}\right)^{1/2} + \left(\frac{dt}{dp}\right)^{1/2}$$



Finet
$$=\frac{mv}{R}$$
 \hat{R} = radius \hat{v} | Curvature (Kissing circle, turning circle)



$$\frac{\vec{F}_{net}}{R} = \frac{mv^2}{R} \hat{n} = T \hat{n} + mg \cos \theta (\hat{n})$$

$$\frac{mv^2}{R} = T + mg \cos \theta$$

