


Angular momentum: monesen \& lineer momentun (I $\overrightarrow{C O}$ ) Lineer momention: maxa $\times$ veloity $=m \vec{v}$


$$
\begin{aligned}
& \vec{L}=\int d m(\overrightarrow{\vec{v}})=\overrightarrow{\vec{v}} \int d m=\vec{v} m \quad \vec{L}=m \vec{v} \\
& \overrightarrow{H_{a}}=\int \vec{r} \times d m(r \vec{\omega})=J \int r \cdot(d m) r \omega=\omega \int r^{2} d m=\omega \bar{I} \overrightarrow{\vec{H}}=\bar{I} \vec{\omega}
\end{aligned}
$$


$+5 \sum M_{A}=5(0.08)^{2}(15 \pi)+[10(\Delta t)-0.1 F(0 t)]=5(0.08)^{2}(30 \pi)$

## gear $B$



