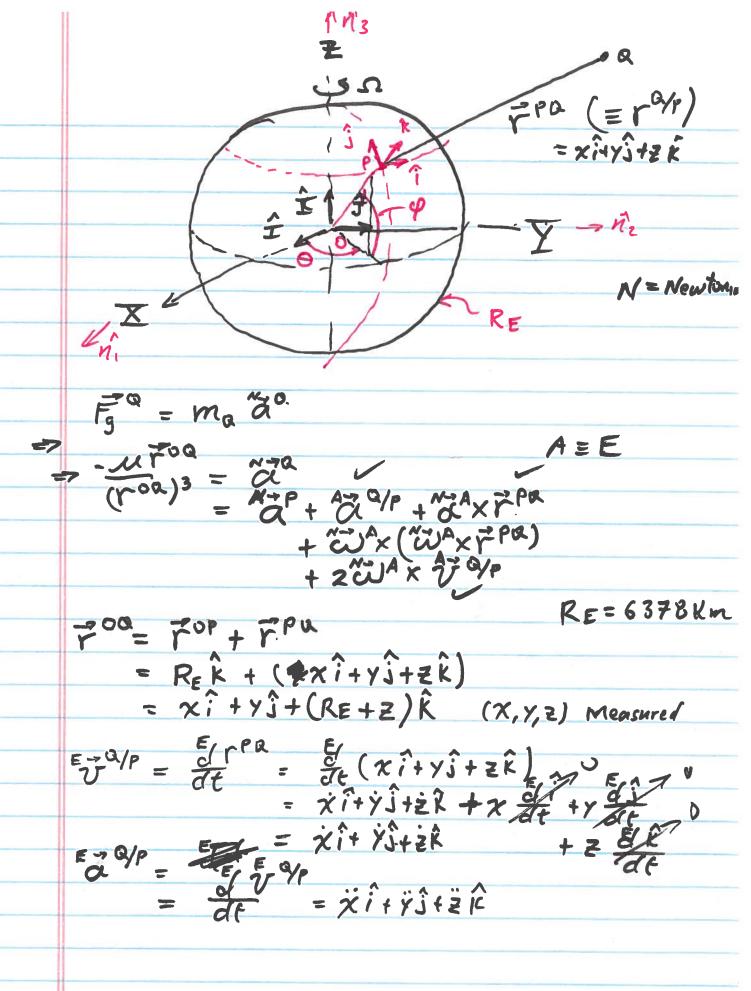
$$\frac{F_1}{a_1} = \frac{F_2}{a_2} = \frac{F_n}{a_n} = m$$



$$\begin{cases}
B_1 \\
B_2 \\
B_3
\end{cases} = \begin{cases}
B \\
A_2
\end{cases}
A_2$$

$$A_3$$

$$A_4$$

$$A_4$$

$$A_5$$

$$A_1 = \cos \theta \hat{n}_1 + \sin \theta \hat{n}_2$$

$$A_3 = \hat{n}_3$$

$$\hat{n}_1 + \hat{n}_2 + \hat{n}_3 + \hat{n}_4 = \cos \hat{n}_1 + \cos \hat{n}_2$$

$$\hat{n}_2 = \hat{n}_3$$

$$\hat{n}_1 + \hat{n}_2 + \hat{n}_3 + \hat{n}_4 = \cos \hat{n}_1 - \cos \hat{n}_2$$

$$\hat{n}_2 = \cos \theta \hat{n}_1 + \cos \hat{n}_2$$

$$\hat{n}_3 = \hat{n}_3$$

$$\hat{n}_4 = \cos \hat{n}_2 + \cos \hat{n}_4$$

$$\hat{n}_2 = \cos \hat{n}_3 + \cos \hat{n}_4$$

$$\hat{n}_3 = \cos \hat{n}_3$$

$$\hat{n}_4 = \cos \hat{n}_4$$

$$\hat{n}_5 = \cos \hat{n}_5$$

$$\hat{n}_7 = \cos \hat{n}_7$$

$$\hat{n}_7 = \cos \hat{n}_7$$