La. 
$$\overrightarrow{B} = \mu \cdot n \cdot I_{s} \stackrel{?}{=} = \mu \cdot I$$

3(.  $\vec{F}$  =  $\int \vec{I}_{22} \cdot -da_{2}$ (unit normal) in -2=  $A \subset 9$  (os<sup>2</sup>( $\kappa_{2} - \omega t$ )<sup>2</sup>) Note: There is also a dg/dt term but it averages to zero I didn't hold it against you if you didn't calculate it. 3 d.  $P = \langle F \rangle A = C g \circ \langle cs^{2}(\kappa_{2} - \omega t) \rangle$ =  $\frac{1}{2} (g \circ s)$ should have  $P = \langle s \rangle c$ =  $\langle g \rangle c^{2}$ =  $\langle g \rangle c^{2}$