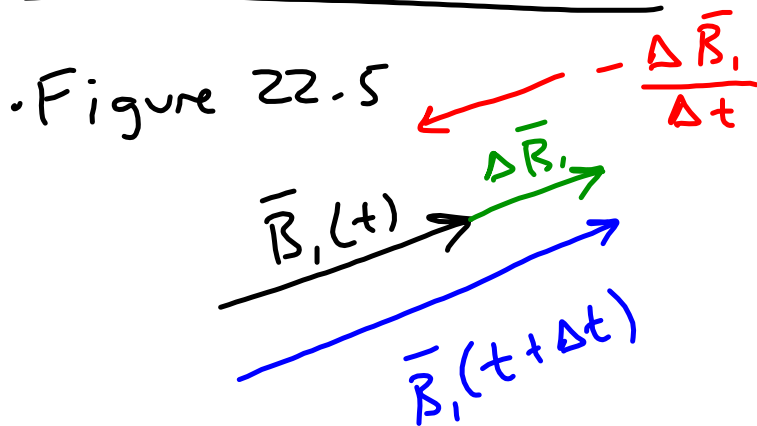
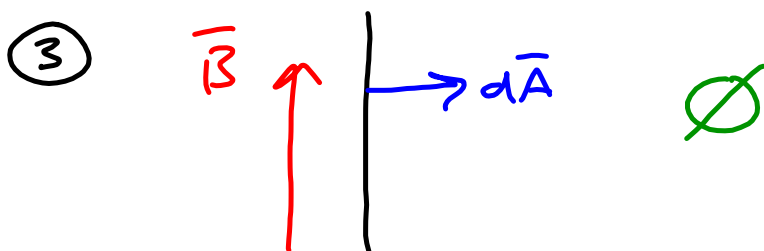
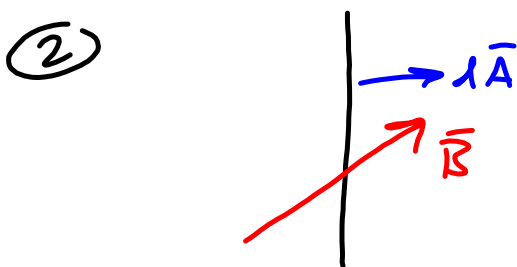
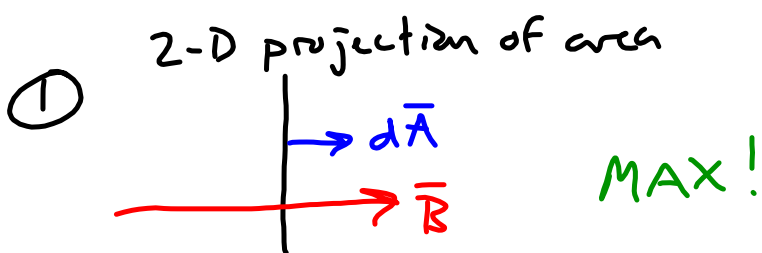


FARADAY'S LAW



• Magnetic Flux

$$\Phi_B = \int \vec{B} \cdot d\vec{A} = \int |\vec{B}| |d\vec{A}| \cos\theta$$



• Faraday's Law:

$$\mathcal{E} = \oint \vec{E} \cdot d\vec{l} = - \frac{d\Phi_B}{dt}$$