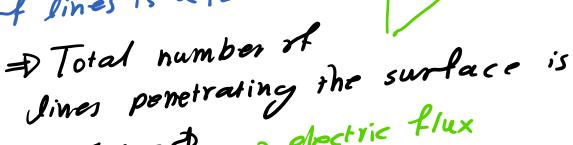
24.1 Electric Flux

Remember: number

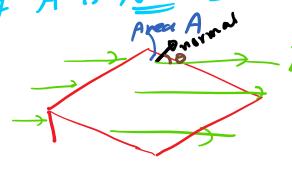
of lines is $\angle |\vec{E}|$



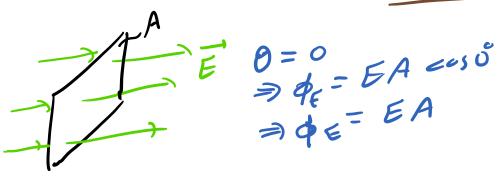
& EA = DE & electric flux

SI units of the > N.m2/c

·If A is NOT 1



 $-\vec{E} \quad \phi_{E} = EA = -0.59$ g = dagle between



General definition of DE

· De Arrough a closed surface

inside closed

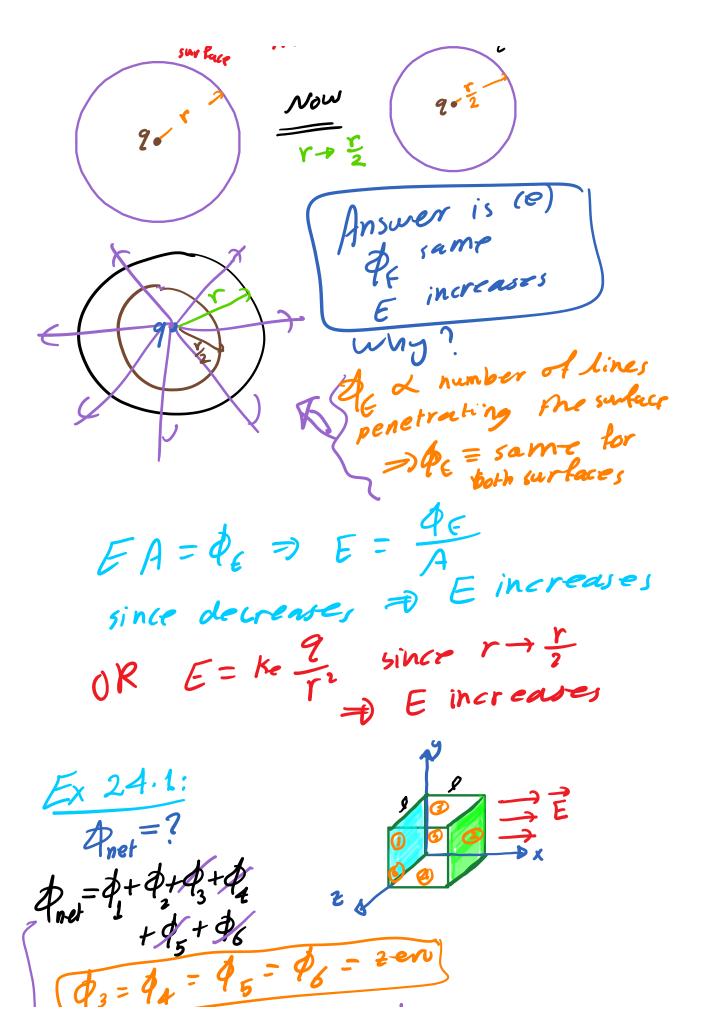
$$\Rightarrow \Phi_{E} = \Phi$$

of the electric field normal to the surface

E. dA = En dA coso° = En dA

Of 24.1: of the surface through

E=???



$$\frac{\partial_{3} = 4_{A} = 4_{5} = 9_{6} = 9_{6}}{\partial A} = \frac{1}{2}$$

$$\frac{\partial}{\partial x} = \frac{1}{2} + \frac{1}{2}$$

$$\frac{\partial}{\partial x} = \frac{1}{2}$$