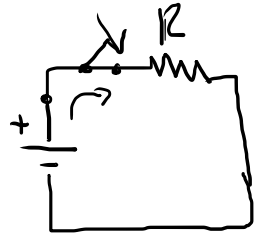
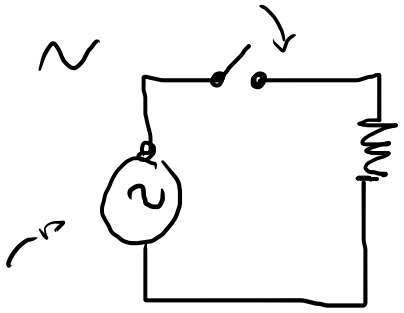
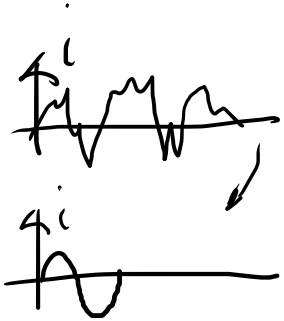
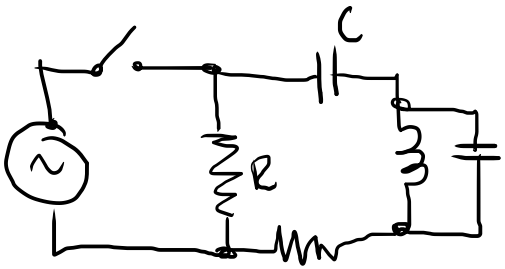
AC



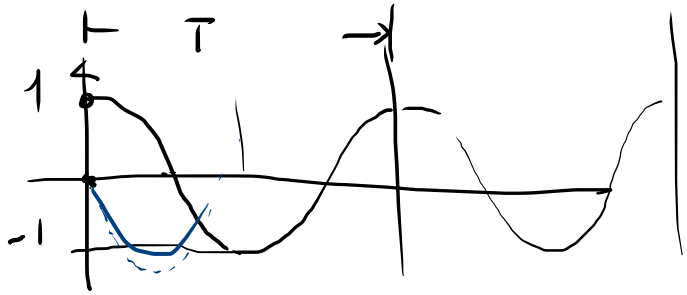
$V = IR$







f =



$\omega = 2\pi f$

$f = \frac{1}{T}$

e^x

$$\underline{v}(t) = \underline{A} \cdot \cos(\omega t + \varphi) =$$

$$= 50 \cdot \cos(\omega t + \varphi) =$$

φ = 90°

$$\underline{V} = (A, \varphi) = A \cdot e^{i\varphi}$$