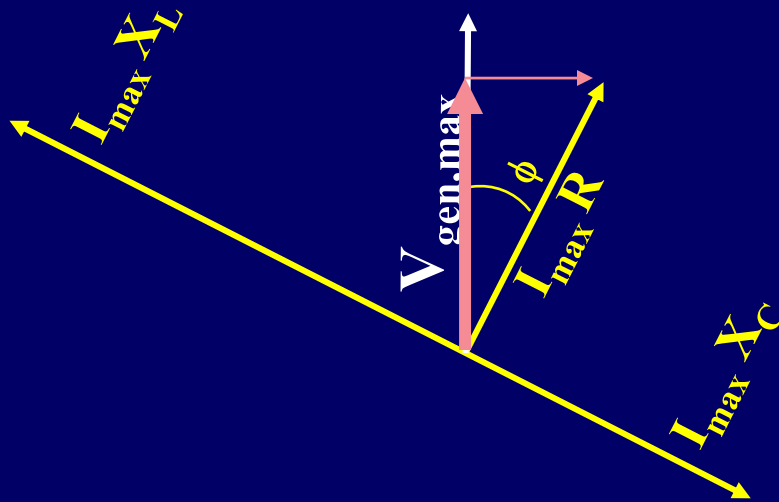




# ACT: Voltage Phasor Diagram



At this instant, the voltage across the generator is maximum.

What is the voltage across the resistor at this instant?

- 1)  $V_R = I_{\text{max}} R$       2)  $V_R = I_{\text{max}} R \sin(\phi)$       3)  $V_R = I_{\text{max}} R \cos(\phi)$