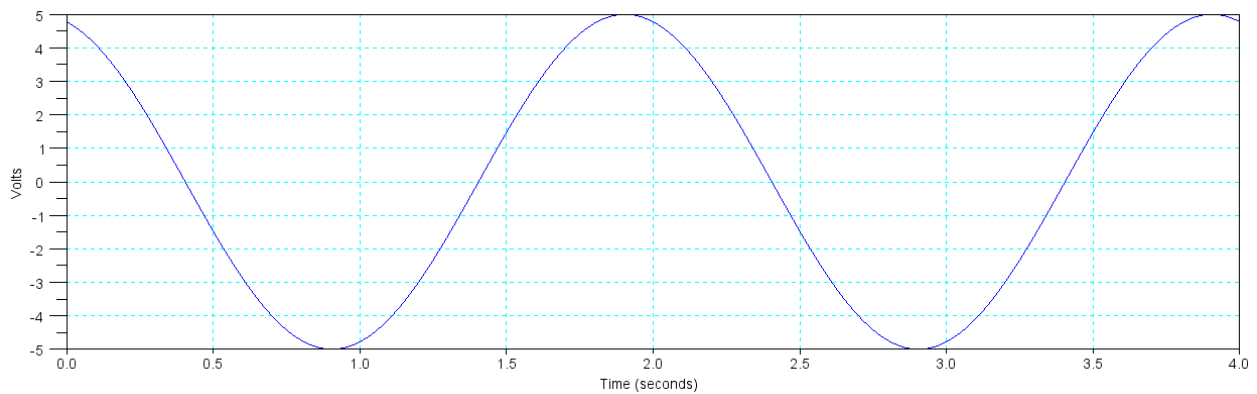


Phasors

Give the phasor representation for the following voltages

- 1) $v(t) = 2 \cos(3t) + 5 \sin(3t)$
- 2) $v(t) = 8 \cos(4t - 20^\circ)$
- 3) $v(t) = -3 \cos(5t) + 6 \sin(5t)$
- 4) $v(t) = 3 \cos(2t - 10^\circ) + 4 \sin(2t)$
- 5) $v(t) = 6 \cos(3t - 40^\circ) + 2 \cos(3t + 50^\circ)$

- 6a) Determine the frequency of the following waveforms in rad/sec, and
- 6b) Express the voltage in phasor form



- 7a) Determine the frequency of the following waveforms in rad/sec, and
- 7b) Express the voltage in phasor form

