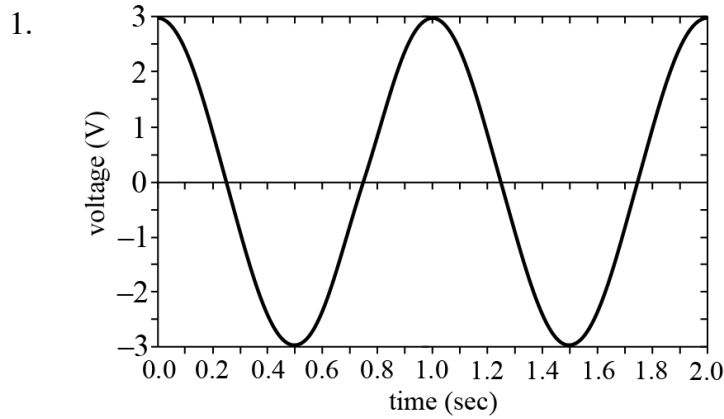


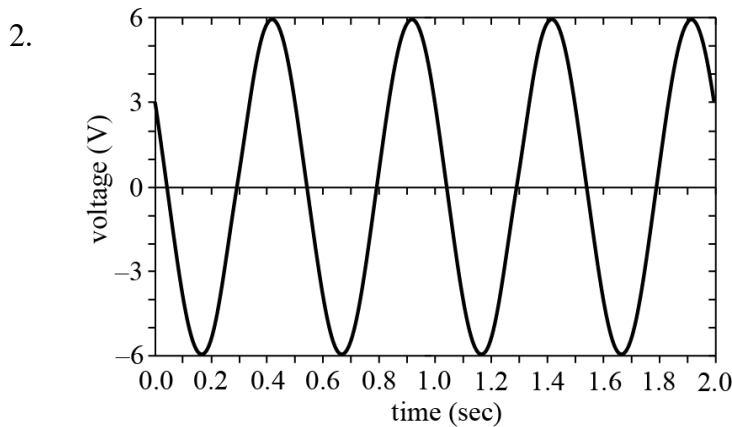
YOUR NAME(S): _____

PROB: Find the following quantities for each of the waveforms shown below. (Use a ruler to measure the waveform as needed.)

- a) A = magnitude
- b) f = frequency in cycles per second (i.e., Hertz)
- c) ω = frequency in radians per second
- d) ϕ = phase shift



- a) b) c) d)



- a) b) c) d)

Takeaway: electronic filters change magnitude and phase shift, but not frequency.