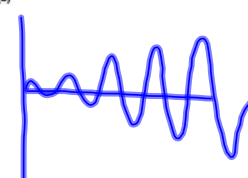
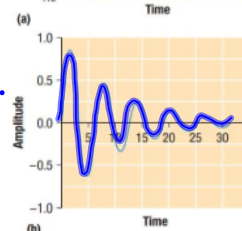
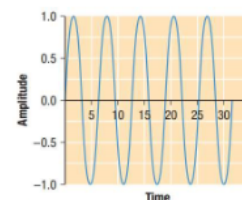


SPH3U 9.4 Damping and Resonance

1. Damping and resonance

Damping:	when a wave reduces due to energy absorption/loss.
Resonant frequency:	the frequency at which a medium vibrates most easily.
resonance	when an incoming wave has the same frequency as the medium's resonant freq.
standing waves	wavelength must be a multiple of one of the harmonics (the resonant frequencies).
Vibrating structures:	we often want damping so that buildings, bridges, etc don't get damaged.



Homework: page 432: #1-2