

MEMT 455: Psychology of Music
Acoustic Foundations

Names: _____ Date: _____

1. Draw a sine wave. Label the wavelength, crest, trough, and amplitude.
2. Draw another sine wave with greater amplitude (i.e. louder). What is the difference?
3. Draw a longitudinal wave coming from an appropriate sound source. Make sure to draw the sound source, the wave coming from it, and compression/rarefaction of the wave.
4. Draw a transverse wave coming from an appropriate sound source. Make sure to draw the sound source, the wave coming from it, and compression/rarefaction of the wave.