

Waves

What are basic properties of waves?

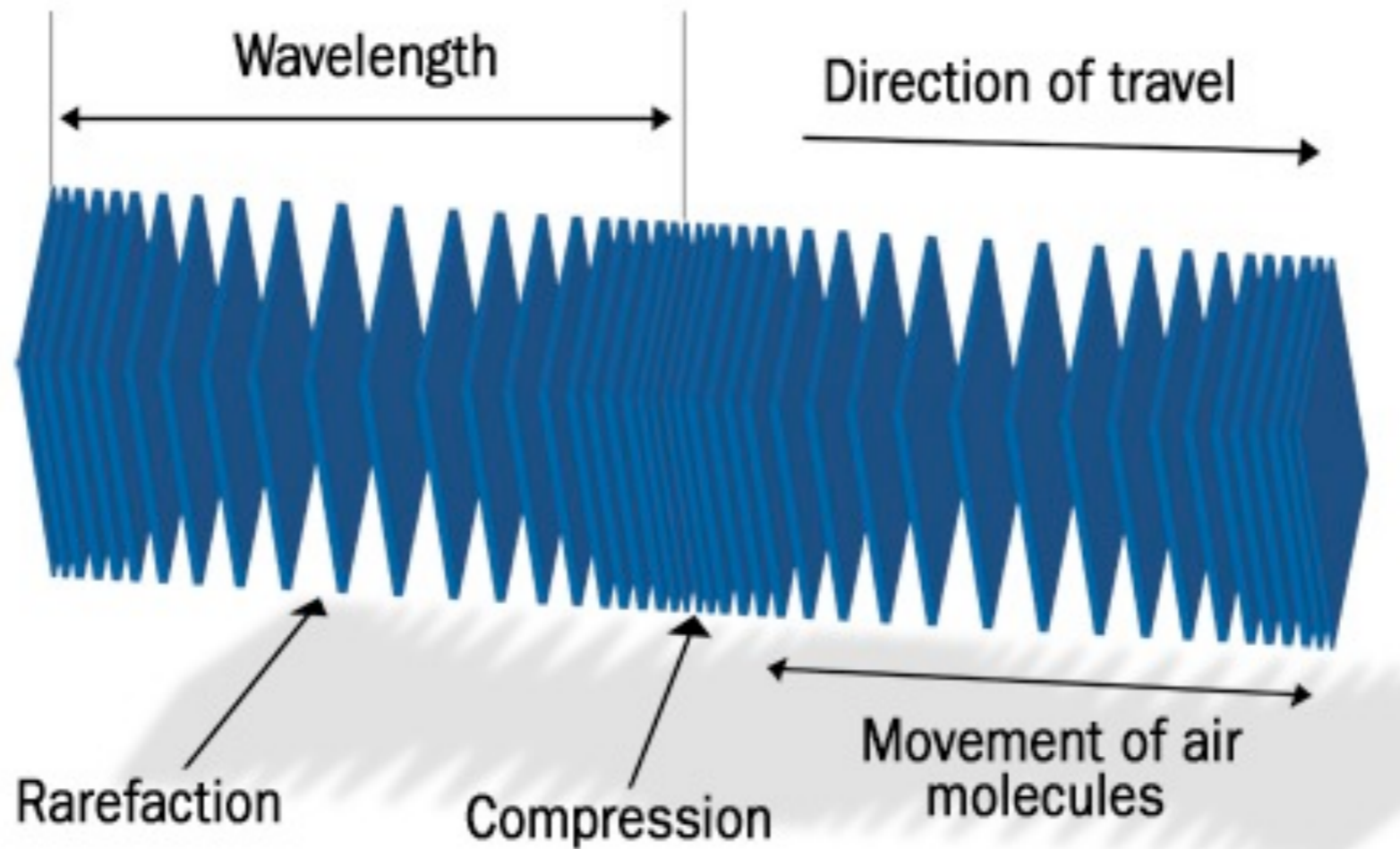
Patterns

- 1, 2, 3, 1, 2, 3, __, __, __
- w, w, a, w, a, v, w, a, __, __
- 0, 7, 14, 21, __, __, __

A Simulation

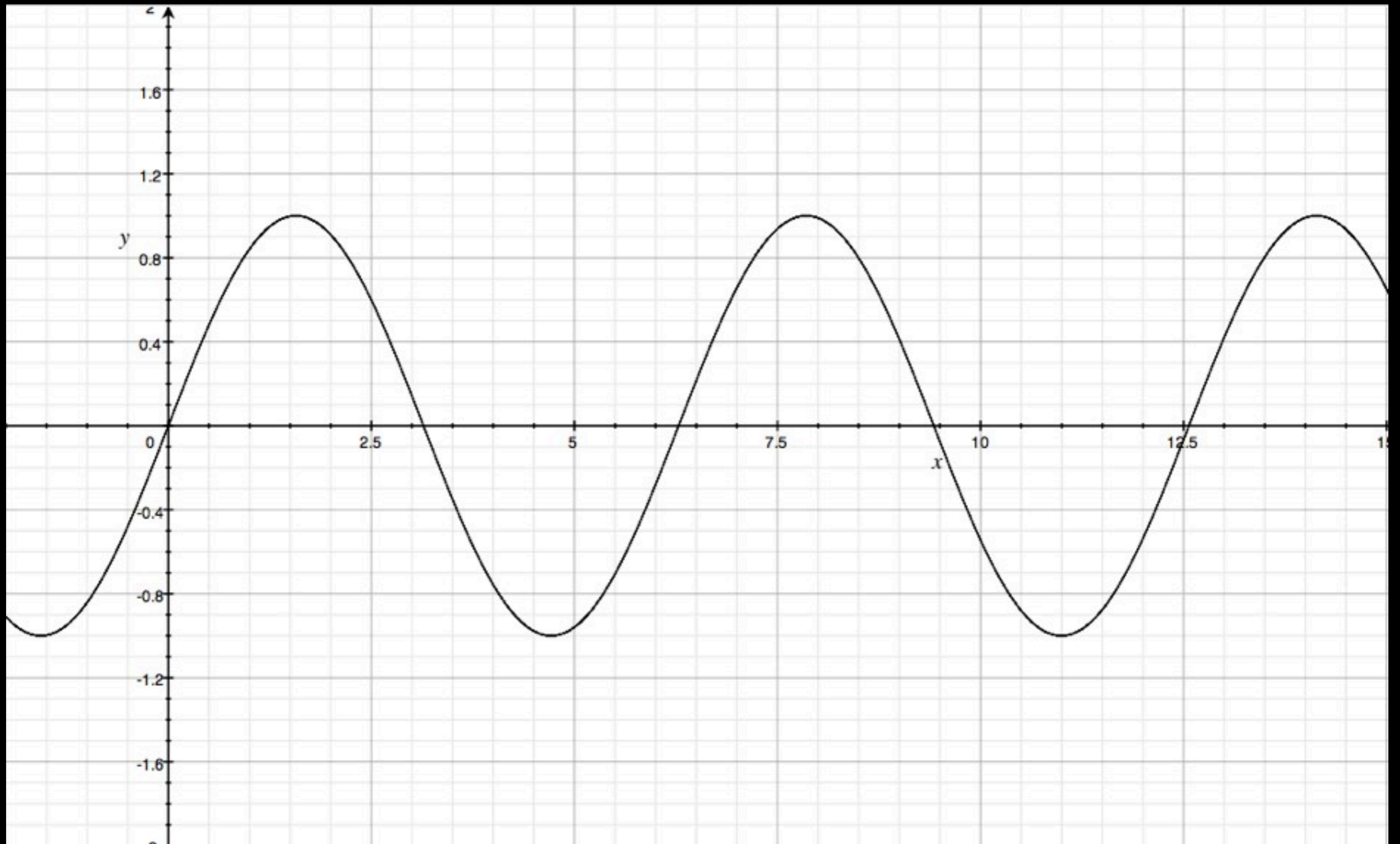
- http://phet.colorado.edu/simulations/sims.php?sim=Wave_on_a_String

Longitudinal Wave

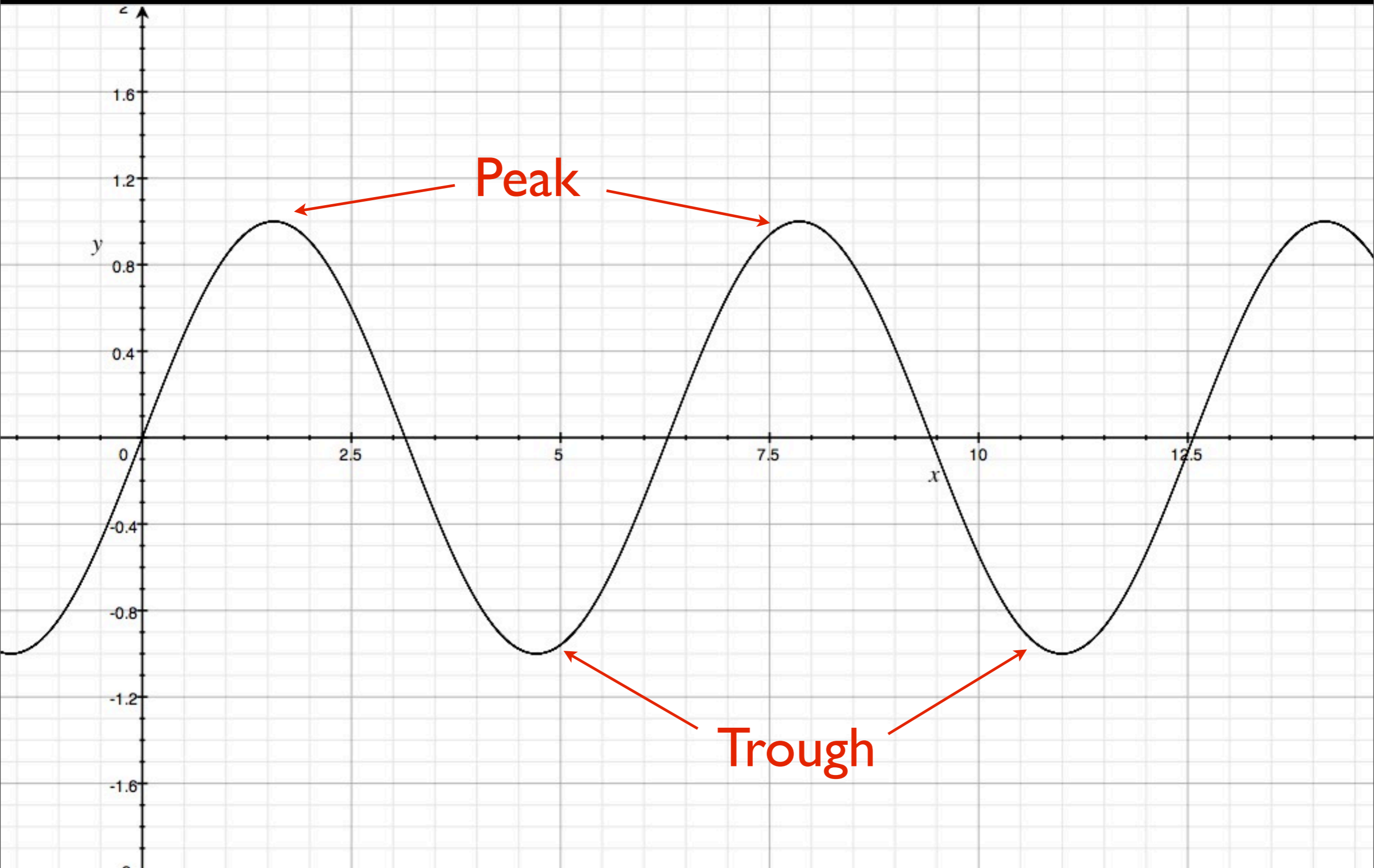


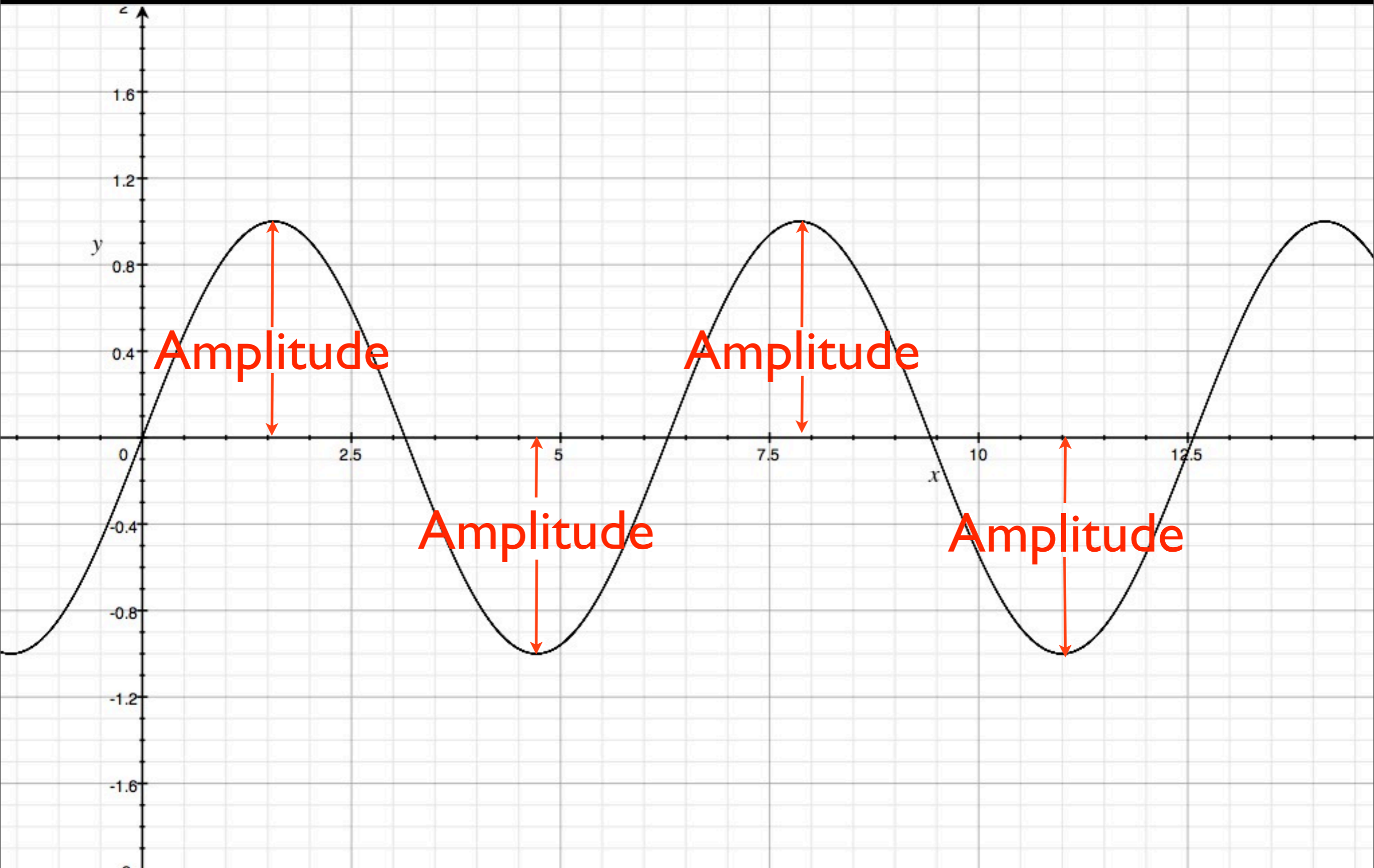
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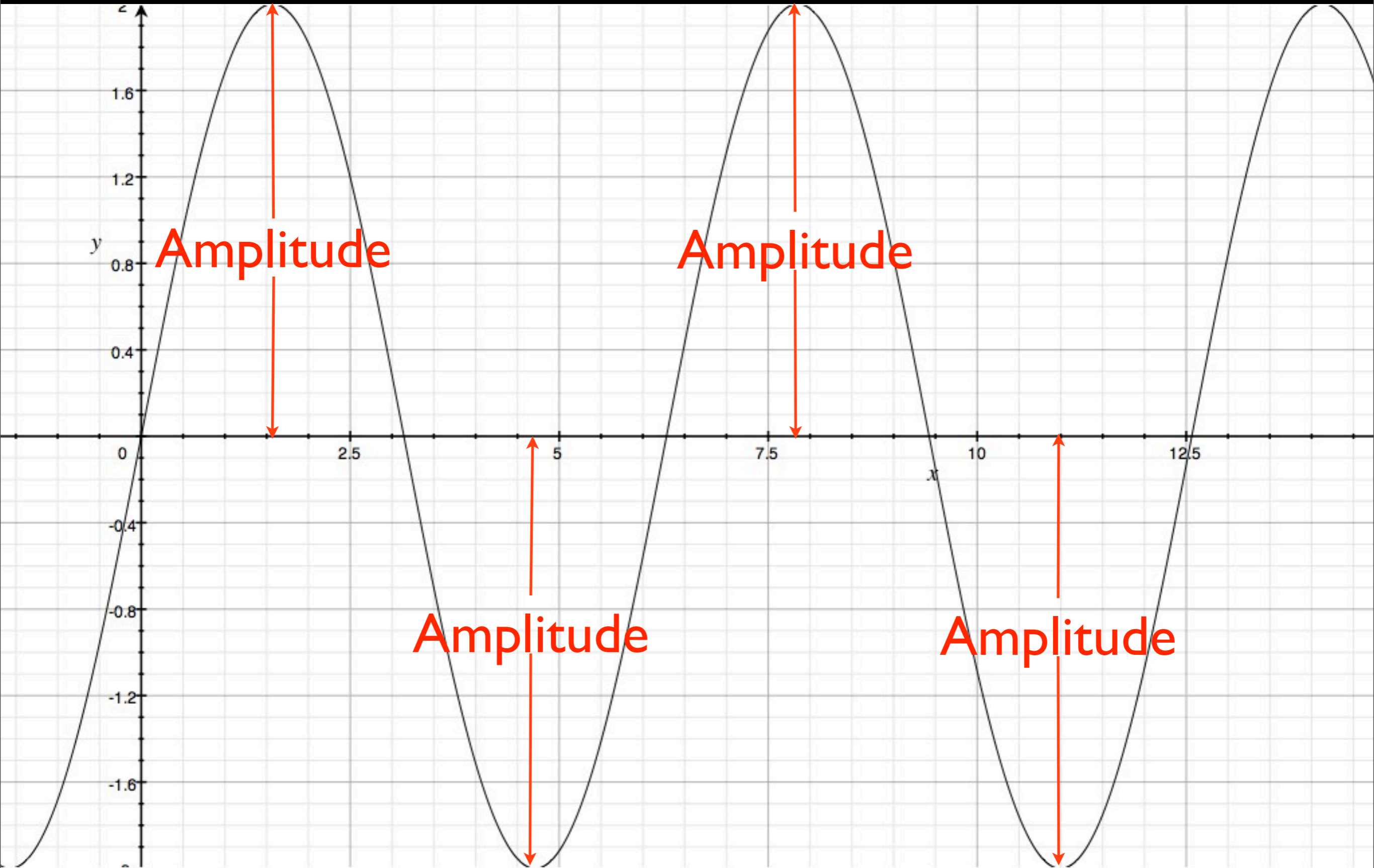
Longitudinal Wave

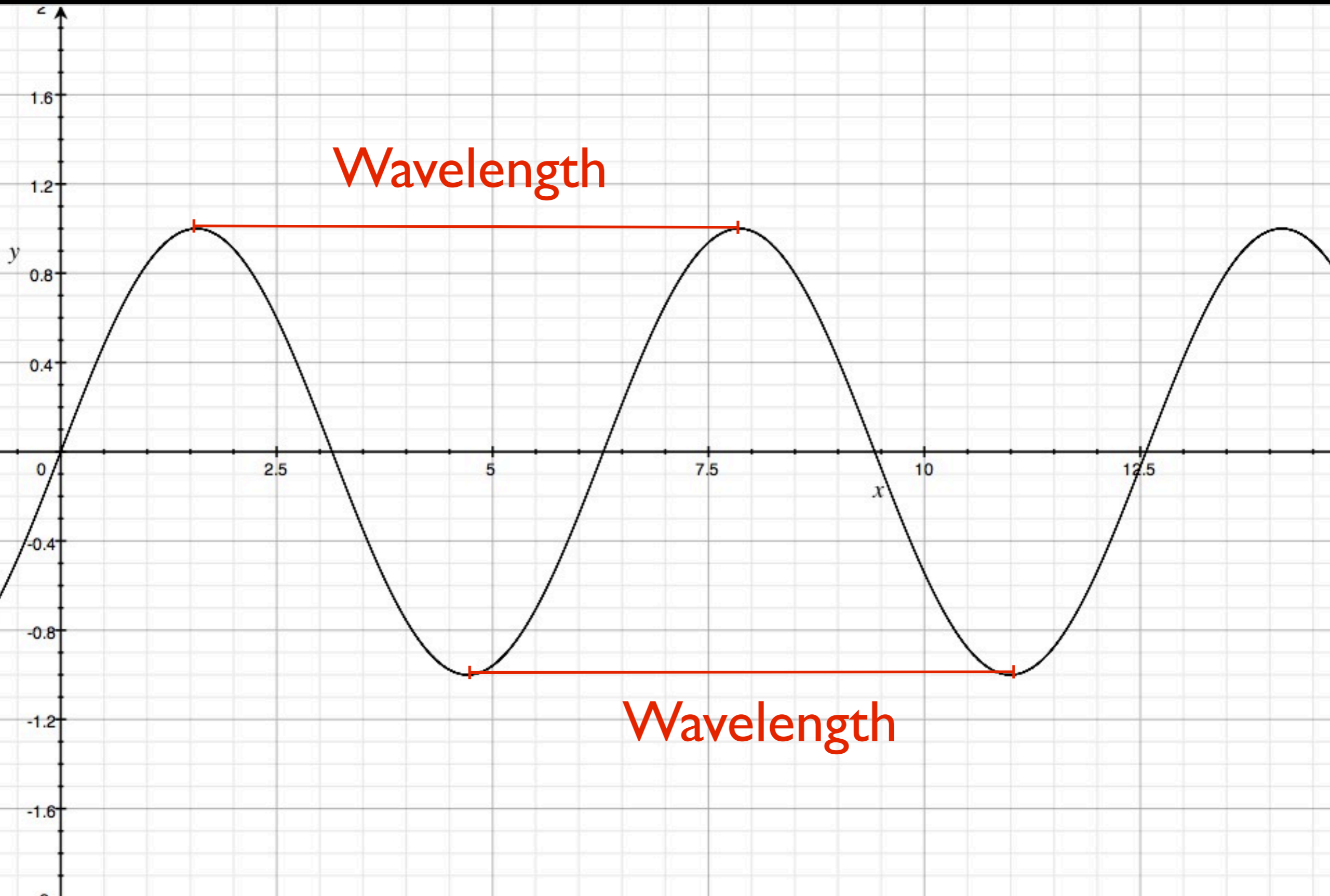


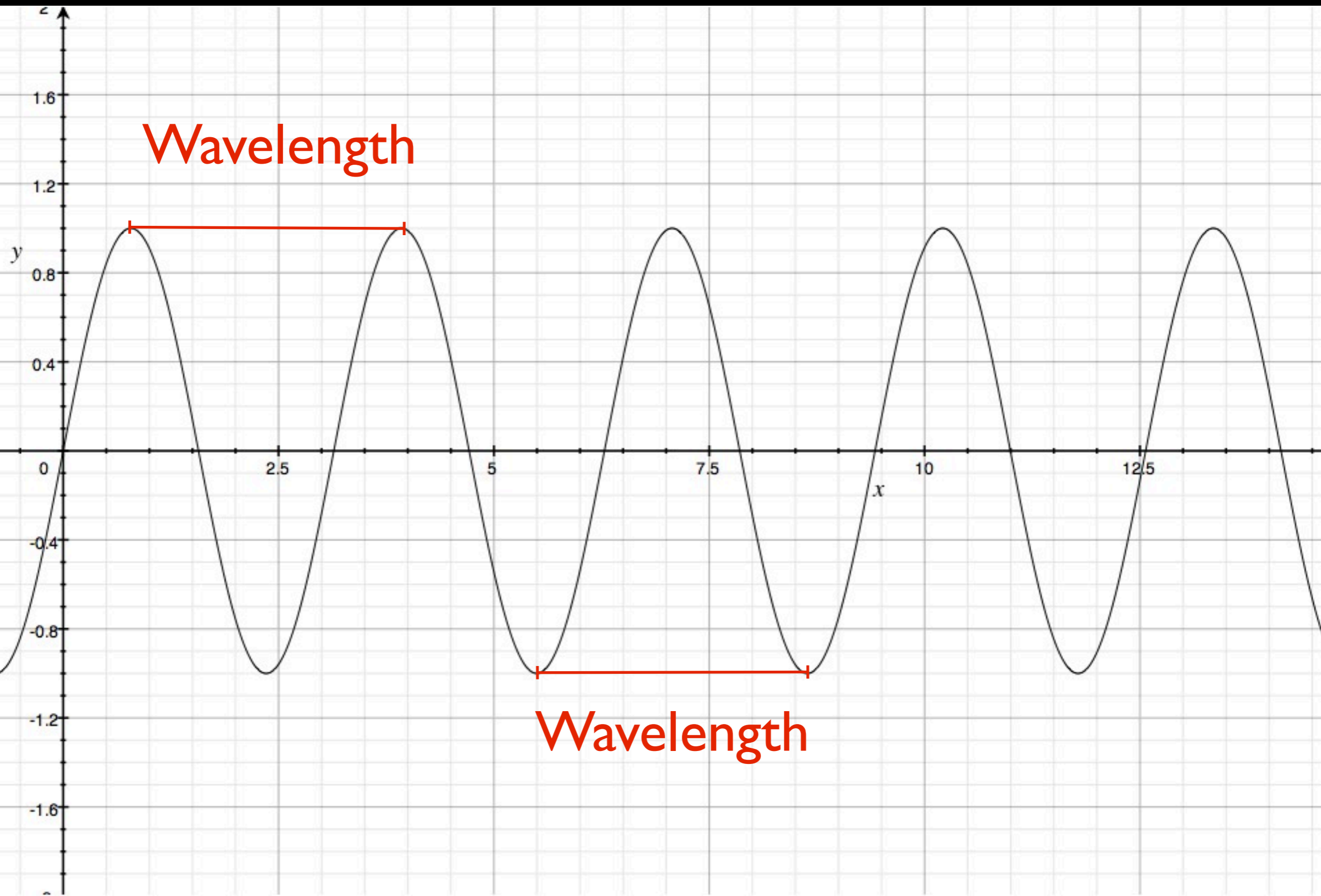
Transverse Wave











Other Vocabulary

- Frequency--number of wavelengths in 1 second
 - Units of hertz
- Period--time for 1 wavelength
 - Units of seconds