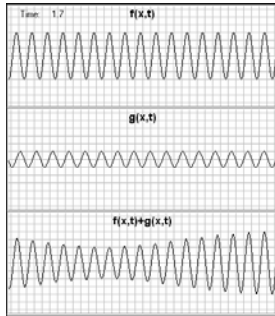


## Worksheet for Exploration 17.6: Make a Standing Wave



Find a wave function,  $g(x, t)$ , that will produce a standing wave with a node at  $x = 0$  m, i.e., at the center (**position is given in meters and time is given in seconds**). You may want to pause the animation before you click-drag the mouse to read position coordinates.

- i. Write out the amplitude, wavelength, period, and wavespeed of the wave  $f(x,t)$ .