

Name: \_\_\_\_\_

Phys-102 (161)  
Quiz-1

ID#: \_\_\_\_\_

A 1.0 cm amplitude sinusoidal wave propagates in the positive x-direction. It has wave number  $2\pi \text{ m}^{-1}$ , and period 2 s.

Sketch a graph of the wave at  $t = 0 \text{ s}$ , and on the same graph sketch the wave at time  $t = 1 \text{ s}$

Note: make *all* needed designations and explain all terms.