

Physics 151 Worksheet #9: Simple Harmonic Motion

Name: _____

Partner(s): _____

Directions : Complete the following questions based on the computer simulations. Please show all of your work and explain all of your reasoning. Place boxes around your final answers.

Simulation #1: Simple Harmonic Motion - Pendulum

Determine the values of the unknown variables.

Answer =	
Answer =	

Simulation #2: Simple Harmonic Motion - Spring

Answer =	
Answer =	
Answer =	

Simulation #3: Determining the Acceleration of Gravity

Determine the acceleration of gravity on the newly discovered Planet. Complete describe your procedure and assumptions.

Answer =	
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