Name:

Period:

HW—11:1— Harmonic Motion Mr. Murray, IPC www.aisd.net/smurray

Using the pendulum at the left, answer these questions.

- 1) If the pendulum starts at C, where does the cycle have to end?
- 2) Between what two letters is the amplitude take?
- 3) If it takes 1 second to go from A to C, what is the period of the pendulum?

tude take?

3) If it takes 1 second to go from A to C,

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Assigned: Thurs., 3/15/04 Due: Mon., 3/19/04

Linear or Harmonic Motion?

A person standing up and sitting down over and over?

A tire rolling round and round?

Ocean waves?

Earth's orbit around the moon?

Walking to the store and back?

Question on back



Ocean waves?

Earth's orbit around the moon?

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Question on back

HW-11:1- Harmonic Motion Assigned: Thurs., 3/15/04 Name: Mr. Murray, IPC Due: Mon., 3/19/04 Period: www.aisd.net/smurray Using the pendulum at the left, answer these Linear or Harmonic Motion? questions. A person standing up and sitting down over 1) If the pendulum starts at C, where does and over? the cycle have to end? A tire rolling round and round? 2) Between what two letters is the ampli-Ocean waves? tude take? Earth's orbit around the moon? 3) If it takes 1 second to go from A to C,

Walking to the store and back?

Question on back



- 1) Mark one cycle of the harmonic motion on the graph.
- 2) If you start at 1.5 sec, when does the 1st cycle end?
- 3) What is the period of the graph?
- 4) What is the frequency of the graph?
- 5) What is the amplitude of the graph?

HW11:1



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