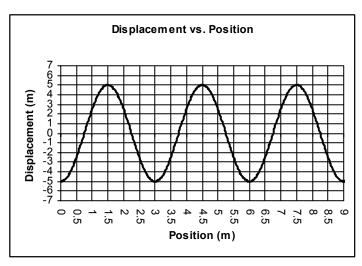
Name: Period:	HW—11:2— Waves Mr. Murray, IPC	Assigned: Mon., 3/19/04 Due: Wend., 3/21/04
Which pendulum has the longest period? Which pendulum has the shortest period?	Wave Motion? Yes or No? A tire rolling round and round? Ocean waves?	A 15 Hz wave has a 3 m wavelength. Find its speed. (Show work)
	Sound? Earth's orbit around the moon? X-rays?	Find the period of a 4 Hz wave.
		Question on back
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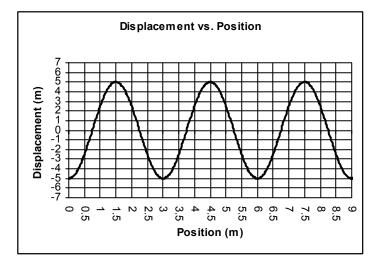
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Which pendulum has the shortest period?



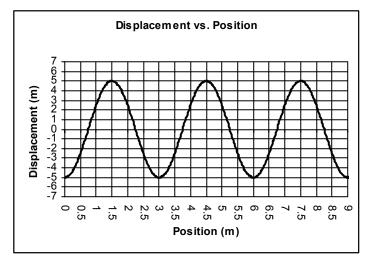
- 1) Mark one cycle of the harmonic motion on the graph.
- 2) If you start at 1.5 m, when does the 2nd cycle end?
- 3) What is the wavelength of the graph?
- 4) What is the amplitude of the graph?
- 5) The graph is how many wavelengths long?

HW11:2



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