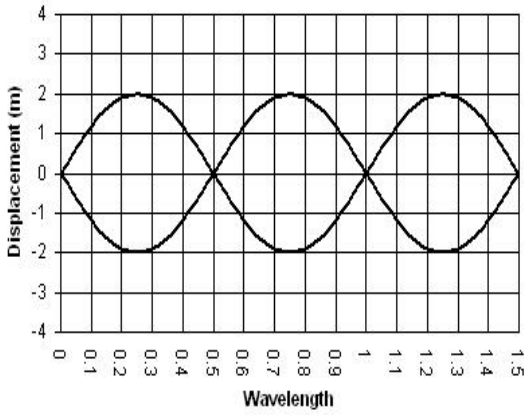
Name: _____

Period:_____

HW—12:1— Standing Waves
Mr. Murray, IPC
www.aisd.net/smurray

Assigned: Wend., 3/21/04
Due: Fri., 3/23/04

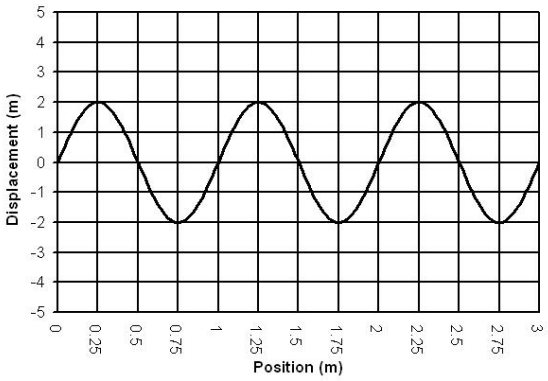


Which one is a standing wave?

Mark the nodes and anti-nodes of the standing wave.

Mark the crests and troughs of the moving wave.

Put the wavelength of each wave under the graph?



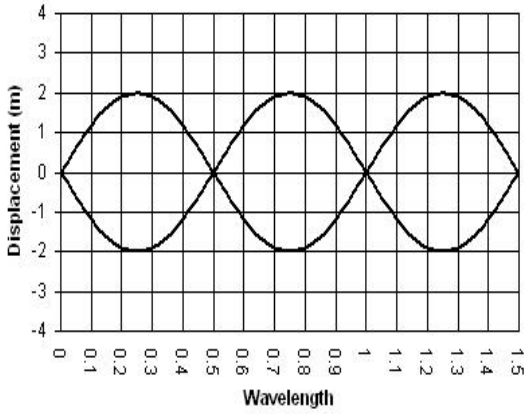
Question on back

Name: _____

Period:_____

HW—12:1— Standing Waves
Mr. Murray, IPC
www.aisd.net/smurray

Assigned: Wend., 3/21/04
Due: Fri., 3/23/04

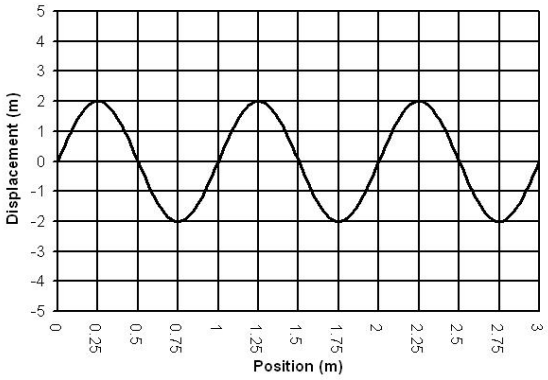


Which one is a standing wave?

Mark the nodes and anti-nodes of the standing wave.

Mark the crests and troughs of the moving wave.

Put the wavelength of each wave under the graph?



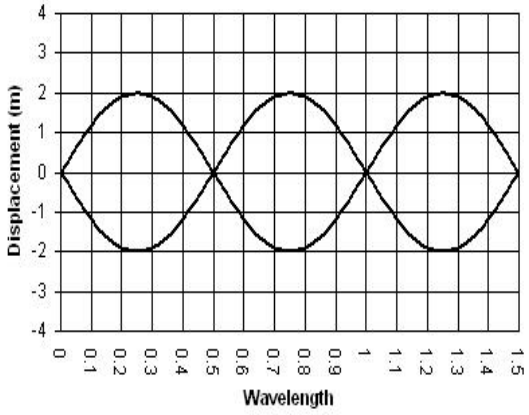
Question on back

Name: _____

Period:_____

HW—12:1— Standing Waves
Mr. Murray, IPC
www.aisd.net/smurray

Assigned: Wend., 3/21/04
Due: Fri., 3/23/04

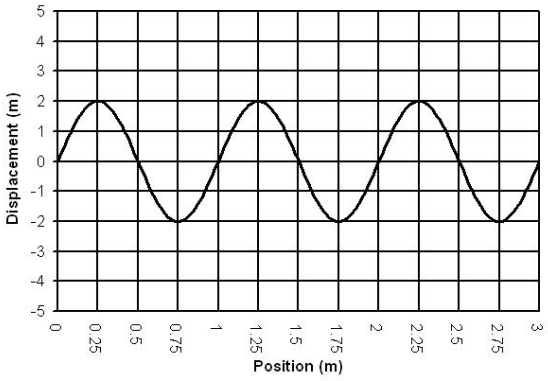


Which one is a standing wave?

Mark the nodes and anti-nodes of the standing wave.

Mark the crests and troughs of the moving wave.

Put the wavelength of each wave under the graph?

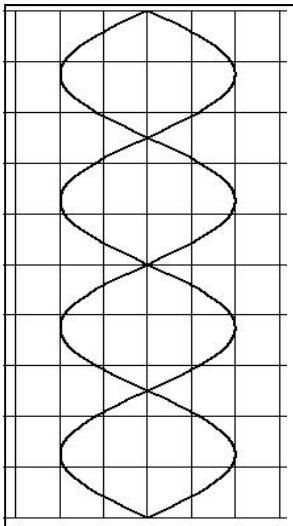


Question on back

HW 12:1

If a wave's fundamental frequency is 10 Hz, what would be its ninth harmonic (H_9)?

If a wave's eighth harmonic (H_8) has a frequency of 24 Hz, what is it's fundamental?



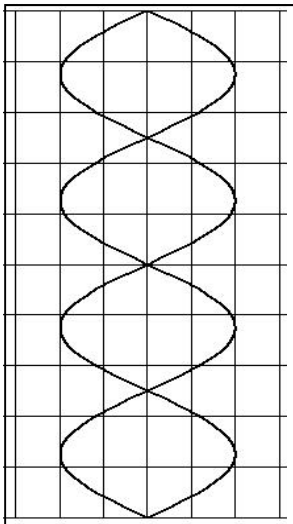
For the standing wave on the left:

1) Label the nodes and anti-nodes
2) How many wavelengths is it?
3) What harmonic is it?
4) If its frequency is 48 Hz, what is it's period?
5) What is it's fundamental?

HW 12:1

If a wave's fundamental frequency is 10 Hz, what would be its ninth harmonic (H_9)?

If a wave's eighth harmonic (H_8) has a frequency of 24 Hz, what is it's fundamental?



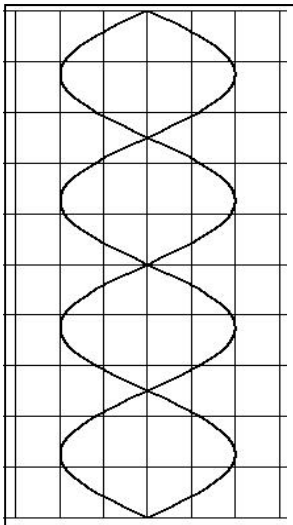
For the standing wave on the left:

1) Label the nodes and anti-nodes
2) How many wavelengths is it?
3) What harmonic is it?
4) If its frequency is 48 Hz, what is it's period?
5) What is it's fundamental?

HW 12:1

If a wave's fundamental frequency is 10 Hz, what would be its ninth harmonic (H_9)?

If a wave's eighth harmonic (H_8) has a frequency of 24 Hz, what is it's fundamental?



For the standing wave on the left:

1) Label the nodes and anti-nodes
2) How many wavelengths is it?
3) What harmonic is it?
4) If its frequency is 48 Hz, what is it's period?
5) What is it's fundamental?