

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

Period: \_\_\_\_\_

1. Where does light come from (*be specific*)?

2. Using RGB model for making color:

- A) The background is what color?
- B) What colors do you have to make all colors?
- C) How do you make red?
- D) How do you make white?
- E) How do you make magenta?
- F) How do you make black?
- G) Is RGB lights or paints?

3. Using CMYK model of making color:

- A) The background is what color?
- B) What colors do you have to make all colors?
- C) How do you make red?
- D) How do you make white?
- E) How do you make magenta?
- F) How do you make black?
- G) Is RGB lights or paints?
- H) What color does yellow absorb?

4. How do you know that a TV uses RGB?

5. Label nodes and anti-nodes on the graph.

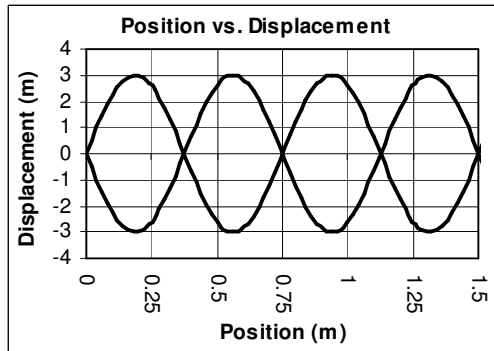
6. Which harmonic is this?

7. What is its amplitude?

8. Find its wavelength?

9. If it has a frequency of 100 Hz, find the speed of the wave.

10. Find its period.



11. Since you know its frequency, find the frequency of the fundamental for this harmonic (this string). HW Unit 10:8

12. Can we hear this frequency?

13. Why or why not?

14. To make a harmonic, do I push the string or shake it back and forth?

15. Is it a transverse or longitudinal wave?

16. A person claps their hands. You hear it 2 seconds later.

How far away is the person.

Variables:      Equation:      Solve:

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