$\lambda = 3.43$ m, L =

Name	_	Tiller Sunding Waves
1-3. A guitar string has a length of 64.5	wers and use sig figs to receive full cre cm, and a fundamental frequency of 110 tration on the string below, and calculate). Hz.
2. What is the velocity of the waves on	this string?	
3. If this string is fingered 21.5 cm from fundamental now?	n one end (it is shortened by that amount). What is the frequency of the
4. Calculate the missing quantity below wave.	v. "L" is the length of the waveform (the	picture), λ is the wavelength of the

5. Draw the second possible harmonic (The second lowest tone it can make.) of a one end fixed, one end open pipe. Calculate the frequency of this mode if the pipe is 13.2 cm long, and the speed of sound in the pipe is 317 m/s.

 $\lambda = 1.20$ m, L =

 $L = 2.67 \text{ m}, \lambda = ?$

L = 45 cm, $\lambda = ?$