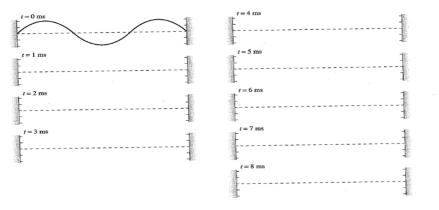
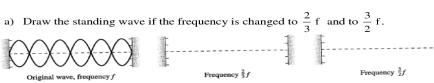
Worksheet on standing waves

Name		

This standing wave has a period of 8ms. Draw snapshot graphs of the string at every 1ms from t=1 ms to t=8 ms. Think carefully about the proper amplitude at each instant.



- 2) The figure below shows a standing wave on a string. It has a frequency f.



b) Is there a standing wave if the frequency is changed to $\frac{1}{4}$ f? If so, how many antinodes does it have? If not, why not?