32:40
1. A string is 20 cm long and has a mass of 800 g. A wave with frequency 3 Hz and wavelength 0.40 m travels along the string. Figure stuff out.

1:11:20
2. A string is tied at both ends. It is 2m long and has mass 4kg and tension 6N. Figure stuff out about the second harmonic.

1:50:50
3. The 3rd harmonic for a pipe open at one end and closed at one end has wavelength 6m. Find the fundamental frequency for this pipe. The speed of sound is 340 m/s.