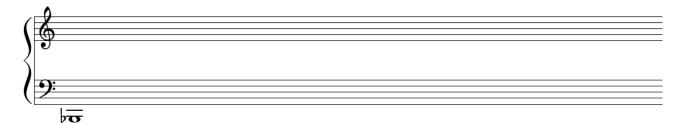
Assignment 2

Name:	Due September 9
-------	-----------------

1. Show the first 15 overtones of the sound bellow.



Mark the Equal Temperament sounds that differ the most from the natural resonance series.

30 points

- 2. List all the ratios defining
 - minor thirds in the overtone series within four octaves ?
 - perfect fourths within four octaves ?

10 points

3. A2, the second lowest A sound on piano, has the frequency of 55 Hertz or cycles/second. Compute the frequencies of its first 15 overtones of this sound

30 points

6. For each of the following sounds which is the pitch corresponding to the ratio indicated:

F2 = 1	ratio 10 / 1	pitch:	octave:
D3 = 1	ratio 7/1	pitch:	octave:
G2 = 1	ratio 13 / 1	pitch:	octave:
Eb3 = 1	ratio 9/1	pitch:	octave:
B2 = 1	ratio 11 / 1	pitch:	octave:

30 points