NAME:

The coordinates of the Lissajous curve are defined by

\[ x(t) = \sin(2t), \quad y(t) = \sin(3t), \quad t \in [0, 2\pi]. \]

Write the code to define an interact to plot this curve.

- The interact allows the user to set the end of the range for \( t \) with a slider.
- The range always starts at 0. The smallest value for the end of the range is \( \pi/20 \).
  The largest value of the end of the range is \( 2\pi \).
- The end value for the range is incremented by \( \pi/20 \).
- The initial value for the end of the range is \( 2\pi - \pi/10 \).

**Homework Assignment:** Bring to class on Monday the print out of a SageMath notebook with your answers to assignments 1, 2, and 3 of lecture 33; assignments 1 and 2 of lecture 34. The answer on questions requiring a plot must contain a printed version of the plot. No late or electronic submissions will be accepted.