Q1: (2 pts) Write Python code for a **GENERATOR** that returns sine of angels from 0 to 90.

Q2: (2 pts) Write Python code for a **CLASS** that represents a Vector (i.e. ordered list of real numbers)
   a) write a constructor that accepts any sequence of numbers.

   b) (1 pt) write the necessary method to overload **(len())** operator

   c) (1pt) write the necessary method to overload **(v[i])** operator

   c) (4 pts) Add ALL the code necessary to make an **ITERATOR** for the class. The iterator iterates through the numbers in the vector.

   d) (4 pts) Write code to override (+) operator. The operator adds two vectors. If the vectors are not from the same length **raise an exception**. Use operator that you have overloaded.