```
In [ ]: import matplotlib.pyplot as plt
        import numpy as np
        %matplotlib inline
        import otter
        grader = otter.Notebook()
Question 1: Write a function square that squares its argument.
In [ ]: def square(x):
            return x**2
In [ ]: grader.check("q1")
Question 2: Write a function negate that negates its argument.
In [ ]: def negate(x):
            return x
In [ ]: grader.check("q2")
Question 3: Assign x to the negation of []. Use negate.
In [ ]: x = True
        х
In [ ]: grader.check("q3")
Question 4: Assign x to the square of 6.25. Use square.
In []: x = square(6.25)
        х
```

In []: grader.check("q4")

Question 5: Plot $f(x) = \cos(xe^x)$ on (0, 10).

Question 6: Write a non-recursive infinite generator for the Fibonacci sequence fiberator.