## CISS240: Introduction to Programming
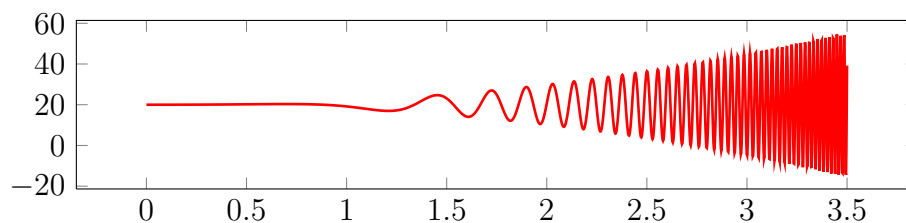## Quiz q1007

Name: _____          Score: [          ]

Q1. The following is a plot of

$$f(x) = 2x^{2.3}\cos\left(x^{4.5} + 1\right) + 20$$



Write a program that prints the value of $x$ from $a = 1$ to $b = 1.5$ where $f(x)$ reaches a maximum value using a (brute force) search with 1000 equally spaced points on the interval $[1, 1.5]$. The printout must be in fixed point format with 5 decimal places.
ANSWER:

[                                                                                    ]