Answer sheet: Roundoff and population modeling

NAME

Part I. Preparatory exercises

EXERCISE 1

EXERCISE 2

Part II. Computer lab

EXERCISE 1

a.

b.

c.

a.

b.

c.

EXERCISE 3

(attach plot)

Comments:

EXERCISE 4

Less accurate:

due to:

EXERCISE 5

(attach plot)

Rule of thumb:

EXERCISE 6

(attach plots and code)

Orbit characterization for

r=2.8:

r=3.3:

r=3.5:

r=3.9:

EXERCISE 7

(attach plots and code)

Interpretation of results:

EXERCISE 8

Answer:

COMMENTS ON LAB

Fun/boring, easy/difficult, suggestions for improvement: