

CSCE 155 - Lab 04 - Loops - Worksheet

Names: _____

1. Run your sine program and compute the following values.

(a) $x = 3.1415, n = 1$

-5.167256

(b) $x = 3.1415, n = 7$

-0.014292

(c) $x = 1.5707, n = 1$

-0.645845

(d) $x = 1.5707, n = 5$

-0.000004

(e) $x = 0, n = 10$

0

2. Try to compute a sine value using a “large” value for n , say $n = 100$. What value do you get? Why do you think that is?

*#INF00, the number is so big the computer can't
store the data, $\frac{\infty}{\infty}$*

3. Play the guessing game at least 3 times to ensure that your program works. What is your best score (that is, least number of guesses)?

4

4. Demonstrate your primes program to a lab instructor, have them sign this worksheet and turn it in.

Lab Instructor Signature_____