

ENGRECE 12: Assignment-2

January 8, 2004

Due Wednesday 28 Jan 2004 at 12:00pm

1 Exercise 3.3 (page 116) [10 points]

Note: you need to print your answer as shown in the example. Your answer must have exactly 6 digits to the right of the decimal point. See Section 2.7 in the Deitel textbook: String Formatting (starting page 50) in case you forgot how to do this.

Name your program `3.3.py` and also create a typescript named `3.3.script`. Be sure to comment your code. Your script should show the same test case as in the book, plus your own test cases.

2 Exercise 3.6 (pages 116–117) [30 points]

This is a 3-part exercise. For parts (a) and (c), your program must prompt the user for the value of n and x , respectively. For part (a), if the value is negative, you should say

“ $n!$ factorial is not defined for $n < 0$.”

In all three parts, you should just print the numeric answer without extra text.

3 What to turn in

Use the command

```
% python ~ece12/tools/submit.py
```

to turn in your homework. Your files should be at a level above the `hw2` directory. You should have the following files:

- `3.3.py` `3.3.script`
- `3.6a.py` `3.6a.script`
- `3.6b.py` `3.6b.script`
- `3.6c.py` `3.6c.script`