## CS21 PRACTICE QUIZ 1, Swarthmore College Spring 2008

1.	Define	the	term	algorithm.

- 2. For each of the following expressions, show the value that will be returned by the Python interpreter.
  - (a) 10 % 4
  - (b) 6 / 4
  - (c) abs(4-6) \*\* 3
  - (d) (5.0 / 2.0) + 3.5
  - (e) 10-3\*3
- 3. Write a **for loop** that will print the word 'hello' five times (once per line).

4. Trace through the following program by creating a table that shows how the values of answer and i change. Also show what the final output will be.

```
def mystery():
answer = 1
for i in range(5,2,-1):
    answer = answer * i
print "final answer is", answer
```

5.	Write a <b>function</b> that will create a table showing inches to centimeter conversion table should go from 1 to 12 inches. One inch is equivalent to 2.54 centimeters. You need to format the data into columns.	ıs. Y do N	our OT