1. Which one of this can't be termed as an algorithm?

a) summation of the 1st nth number.

b) a = 2

c)Finding the shortest path between two nodes.

d)each of the above is an algorithm

I think the answer is (b)

2. Which one of the following is not considered as a characteristic of algorithms?

1. Have finite steps
2. Efficient
3. Doesn’t halt
4. returns the right answer  
     
   **The correct answer is (C)**

3. Which of the following is not used to express asymptotic growth rates of running times?

(a) Omega

(b) Theta

(c) Pi

(d) O

The answer is C. The others are used for Upper, Lower, and Tight Bounds

4. **1- What is an algorithm?**  
A - A finite set of precise instructions for performing a computation or solving a problem in finite time.  
B- Algorithm is set of math the solve difficult problems.  
C- Algorithm is what scientists established in the past and technology has substituted.

I think that the correct answer is (A)

**2-Where di Muhammad ibn Mūsāal-Khwārizmī work as researcher?**  
A- Orlando  
B- Bagdad  
C- London

I think that the correct answer is (C)

**3- What is Worst case running time?**  
A- Obtain bound on largest possible running time of algorithm on input of a given size N.  
B- is efficient if its running time is polynomial.  
C- None of the above.

I think that the correct answer is (A)