Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The finite-difference method consists of the following major steps …
2. The local truncation error is defined as …
3. What kinds of the finite-difference approximations for the first derivative do you know?
4. The local truncation error of the backward finite difference is of order …
5. Is there any systematic way to increase the order of the local truncation error of a finite-difference approximation?
6. The FD approximation of the second derivative,   
     
   is of order, *p* =  ?