Name: _____                ID#: _____

## Question 1:                                                                     (**4 points**)

What is the difference between an *actual* parameter and a *formal* parameter? List the <u>two</u> methods that are used to map these parameters to each other.

## Question 2:                                                                     (**3 points**)

Define *shallow* and *deep* binding for referencing environments of subprograms that have been passed as parameters?

## Question 3:                                                                     (**4 points**)

*Pass-by-Reference* is a method that implements in-out is modes of parameters' passing between subprograms. Briefly describe this method and state one advantage and one disadvantages of this method.

## Question 4:                                                                     (**4 points**)

Define what *coroutines* are and describe <u>two</u> differences between then and other subprograms?