CIS 26B - Advanced C Programming
Review Exercises: Complex C Declarations

1. Write declarations for the following:

   a) An array that can hold up to 50 strings of not more than 30 characters each (excluding '\0')

   b) A pointer to one of the strings in a)

   c) An array that can hold up to 10 arrays as described in a)

   d) A pointer to one of the elements in c)

   e) A pointer to a function that has one parameter, a string, and returns an integer
      //pre ANSI style

   f) An array of 10 pointers to functions as described in e)

   g) A function that returns an int and takes two parameters: an int, and an array of pointers to functions (see f)

   h) A function that receives two pointers to functions (see e) and returns one of them.

2. Explain the following declarations:

i) `double (*y)(int, int *);`

j) `void x(double (*y)(int, int *));`

k) `double (*x)(int y, char *(*z)(void) );`