

Solution to Practice Problems #1:

```

/*****
SOLUTION TO:  Practice problems for:
    -- Using Pointers to Send Information Back From a Function.
Problems designed by David Mutchler, July 2010.  Solution by David Mutchler.
*****/

#include <stdio.h>
#include <stdlib.h>
#include <math.h>

void pointerParameterSum(double x, double y, double* p);

int main() {
    /*****
        *** TODO 2 ***
        Write code here that tests
            pointerParameterSum (which you write below),
        as follows:  Your code here should call  pointerParameterSum  with
        appropriate arguments and print appropriate values after the function
        call to test that  pointerParameterSum  works correctly.
    *****/

    double sum;

    pointerParameterSum(100.5, 200.3, &sum);
    printf("%f\n", sum);  // Should print 300.800000

    pointerParameterSum(-4.5, 4.5, &sum);
    printf("%f\n", sum);  // Should print 0.000000

    return EXIT_SUCCESS;
}

/*****
        *** TODO 1 ***
        Write a function called
            pointerParameterSum
        that takes THREE parameters: two double's and a pointer p to a double.
        It sets p's pointee to the sum of the first two parameters.
    *****/
void pointerParameterSum(double x, double y, double* p) {
    *p = x + y;
}

```