

**Program Assignment #2**

**Due on Friday February 6th at 11:59pm**

Write a program that will compute the sum, difference and product of two complex numbers. The user input should prompt for each corresponding coefficient. The format of the complex numbers is shown here.

Complex number 1:  $r1 + (c1)j$

Complex number 2:  $r2 + (c2)j$

Example run is shown below (user input in red):

Enter r1: 1

Enter c1: 1

Enter r2: 1

Enter c2: 2

$$(1+1j) + (1+2j) = (2 + 3j)$$

$$(1+1j) - (1+2j) = (0 + -1j)$$

$$(1+1j) * (1+2j) = (-1 + 3j)$$

As with Program 1, use input.s for I/O. Since input.s only reads in positive integers, you will only be required to accept positive integers as input