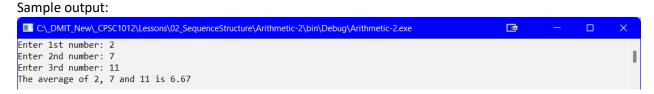
Arithmetic Problems

1. Write a program that will prompt the user for three real numbers and computes their average. Display the average to the user.

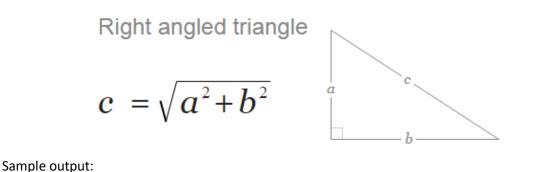
Sample output:



2. Using your knowledge of data types, modify the program you wrote for Question 1 so that it will round the mean average to two decimal places.



3. The Pythagorean Theorem can be used to find the length of the hypotenuse of a right triangle. Write a program that can solve for the hypotenuse once provided with the height and base of the right triangle. Use the following information:



C:_DMIT_New_CPSC1012\Lessons\02_SequenceStructure\Arithmetic-3\bin\Debug\Arithmetic-3.exe	 —	×
Enter the height of the triangle: 9 Enter the base of the triangle: 15 The hypotenuse is 17.4928556845359		I

4. Write a program that will prompt the user for a three-digit whole number. The program will then calculate the sum of the digits of the number, and then display both the number and its digit sum.

