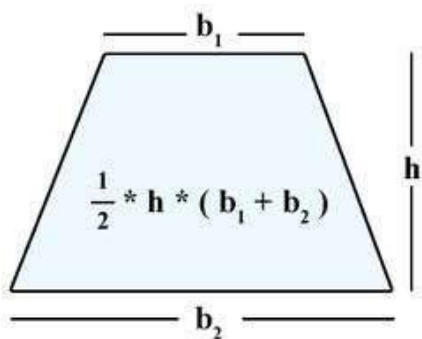# CS111
Homework 2

Write a complete C++ program for each of following questions that does the following:

1. Calculate the area and circumference of a circle. Program prompts user to input an integer which represents the radius of a circle. (Assume the value of pi = 3.14.)

2. Calculate the sum of all the change (quarters, dimes, nickels and cents) in your pocket. Program prompts user to input few integers which represent the respective number of coins in the pocket.

3. Write a program that computes the area of Trapezoid. Unknown values should be input by user. The area should be a double.

Sample inputs and output. Notice the output value in each question to choose the appropriate type of variable.

Question 1:
What is the radius of the circle? 5
The circumference of the circle is 31.4
The area of the circle is 78.5

Question 2:
How many quarters do you have? 7
How many dimes do you have? 2
How many nickels do you have? 3
How many cents to do you have? 6
That makes 216 in change.

Question 3:
What is the height of the trapezoid? 5
What is the base 1 of the trapezoid? 5
What is the base 2 of the trapezoid? 4
The area of the trapezoid is: 22.5