Name: Class: Mark:

1. Write an algorithm in pseudocode which asks the user to enter a password. If the user enters “NotAtHome!”, then print “Welcome” and set a variable called correctPassword to True.

 If they enter a different password, display “Wrong password” and set correctPassword to False. [4]

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2. The following algorithm accepts three integer values from the user, and then prints the maximum value entered. Some lines are missing.

 Complete the program by inserting instructions after Line 4. [4]

 1 print("Please enter three values.")

 2 x = input("Value 1: ")

 3 y = input("Value 2: ")

 4 z = input("Value 3: ")

 5 print("Maximum value entered is: ")

3. Write an algorithm for a program which inputs the lengths **a**, **b** and **c** of the three
sides of a triangle. The program then determines whether the triangle is right-angled
and prints out a message to say whether or not the triangle is right angled. You may assume that **a** is the longest side. The triangle is right-angled if a2 = b2 + c2 [4]

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 [Total 12 Marks]