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]

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| 1 OUTPUT "Please enter three values."  2 INPUT x  3 INPUT y  4 INPUT z  5 OUTPUT "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]