Name: Class:

Task 1

(a) How many parameters does procedure **printInfo** have?

 procedure printInfo(firstname, surname, age)

 fullName = firstname + " " + surname
 years = str(age) + " years old."
 print(fullName)
 print(years)

 endprocedure

(b) What will be printed by the following call to the procedure?

 printInfo("Mickey", "Mouse", 92)

Task 2

Write a function called **answerYorN** to input and check the response to a question. It should be “y” or “n”. Any other response is invalid, and the function should ask the user to re-enter until a valid response is received. The function will then return “y” or “n” when a valid response is received.

The subroutine is called as follows:

 response = answerYorN()

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Task 3

Write a function called addIntegers which takes two integers. The function needs to add up all the numbers between the first number and last number and return the result.

For example addIntegers(5,10) will return 45

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Task 4

1. (a) What is printed out when the following program is run?

 function calculateTotal(prices)

 total = 0

 for i = 0 to prices.length

 total = total + prices[i]

 next i

 return total

 endfunction

 quantity = 5

 itemPrices = [2.00, 2.50, 1.00, 1.00, 1.00]

 totalPrice = calculatePrice(itemPrices)

 print(totalPrice)

(b) Name two local variables used inside the calculateTotal function. What is the **scope** of each of these variables?

2. Examine the following pseudocode.

function triangle(base, height)

 halfBase = base / 2

area = halfbase \* height

endfunction

#main program

area = triangle(8, 10)

print(area)

 The pseudocode contains an error.

 Find the error and write a line of code to fix it.