Homework 2 Part 2 Solution

1. (4 points) Match the signature on the left with the correct method call on the right. If there are signatures that do not match any method, say so.

Assume the following declarations have been made:

String stringResult;

int integralResult;

double doubleResult;

|  |  |  |
| --- | --- | --- |
| int calculate() |  | doubleResult = calculate(3, 9.5) |
| int calculate(int a, double b) |  | doubleResult = calculate(2.7, 3.9) |
| void calculate (int a, int b, int c) |  | calculate(2, 4, 7) |
| double calculate(double a, double b) |  | intResult = calculate() |

1. (15 points; 5 points each)Give the signature for a method that can be used to accomplish each of these tasks. Do not write the full method, only give the signature.
   1. A method that returns the middle of three given integers. If the method is given 5, 3, and 9, it would return 5.

int middle(int first, int second, int third)

* 1. A method that takes three Strings, a first, middle, and last name and returns the last name, followed by a comma and the first name and the middle name. So if it is given "Deborah" "Anne" "Trytten, it would return "Trytten, Deborah Anne".

String lastFirst(String first, String middle, String last)

* 1. A method that takes a number of repeats and a character and returns a String containing the character repeated the number of repeats times. If the method was given 3 and 'a' it would return "aaa".