**Worksheet 5.2**

# Methods

# This exercise gives you practice with parameters, return values, and scope. Find the exact output to the following code:

# public class Methods{

# public Methods()

# {}

# public int north(int num1, int num2){

# int temp = num1;

# num1 = num2;

# num2 = temp;

# System.out.println("num1 - num2 = " + (num1 - num2));

# return (3 \* (num1 - num2));

# }

# public double south(double num3, double num4){

# num3 += 24;

# num4 \*= 2;

# System.out.println("num3 / num4 = " + (num3/num4));

# return (10 \* (num3 + num4));

# }

# 

# }

# public class driver{

# public static void main(String[] args){

# Methods app = new Methods();

# int a = 40, b = 25;

# double c = 13, d = -2;

# System.out.println("To start, a - b = " + (a - b));

# int hello = app.north(a,b);

# System.out.println("Now, a - b = " + (a - b));

# System.out.println("north returned " + hello);

# System.out.println("c / d = " + c / d);

# double goodbye = app.south(c,d);

# System.out.println("Now, c / d = " + c/d);

# System.out.println("south returned " + goodbye);

# }

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# public static void main(String[] args){

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