Worksheet: Static (Class) Methods

1. Each of the code fragments in Table 1 involves a call to a method defined elsewhere *in the same class*. In each case write down the method name, the types and names of variables passed to the method (if any - or just give the type if no variable name) and the return type (if any). The first example is completed for you. Note it is irrelevant what the methods do.

Table 1.

Code	*Method name*	*Type and variable names*	*Return type and name*
int a = 4, b = 5; int result = myMethod(a, b);	**myMethod**	**int a int b**	**int result**
int x = 2007; double up = 3.4, down = 3.2; bool a = isTest(down, up, x);	**isTest**	**int x double up double down**	**bool a**
double test = callA(3.4, 20);	**callA**	**double a int b**	**double test**
int store = 1, region = 2; double price = 164.6; processDat(store, region, price);	**processDat**	**int store int region double price**	**void**
processResult( );	**processResult**	**void**	**void**

2. From the information in Table 1 you should be able to write the first line of each method declaration (also known as the method header). It is good practice to specify variable names (where you have to) that are different from those that call the method. Complete Table 2 accordingly. The first one is done for you.

Table 2.

Method name	*Method header (signature)*
myMethod	**static int myMethod (int val1, int val2)**
isTest	**static boolean isTest (double d, double u, int y)**
callA	**static double callA (double val1, int val2)**
processDat	**static void processDat (int s, int r, double p)**
processResult	**static void processResult ( )**