

## Com S 207

## Worksheet 3

1. Write down precisely the output produced by the following Java program fragment.

```
int foo;  
int bar = 10;  
foo = 17 - 4/10;  
foo = foo + 6;  
bar = foo % bar;  
System.out.println(foo);  
System.out.println(bar);  
System.out.println(foo + bar);  
System.out.print(foo * 2);
```

**2.** Given the variable declarations

```
int x = 4;    int n = 5;  
int y = -3;   int m = 7;  
int z = 4;    double w = 20.0;  
boolean isSeptember = false;
```

evaluate and write the values (numerical, or true, or false) of the following expressions:

**Expression**

**Value**

`x == 4`

`x == y`

`m/n`

`(n + m) % x`

`m + w/n`

`(x + m)*m/2`

`(y * y) <= z`

`(x + y) > 0`

`(x + m)*(m/2)`

`isSeptember || (y < z)`

`(x == z) && (y != z)`

`(x != y) || (y == z)`