

# COMP 1000 Midterm

October 2003

*Write the answers on this sheet. Please do not ask questions.  
Do not leave the room without handing this paper to the examiner.*

## Question 1. What is printed by the following program?

```
public class Q1 {
    public static void main(String args[]){
        System.out.println("123\n12\n1");
        System.out.println("1\n231\n2\n1");
        System.out.println("123\\12\\");
        System.out.println("5 / 2");
        System.out.println(3 + "4");
        System.out.println("3 + 4");
        System.out.println(3 / 2 + 2);
        System.out.println(5 / 4);
        System.out.println(5 / 2.0);
    }
}
```

**Solution.**

## Question 2. What does this program print?

```
public class MagicPurse {

    public MagicPurse() {
        nickels = 1;
        dimes = 1;
        quarters = 1;
    }
    public MagicPurse(int a, int b, int c) {
        nickels = a;
        dimes = a + b;
        quarters = a + b + c;
    }
    public void addNickels(int count) {
        quarters = quarters * count;
    }
    public void addDimes(int count) {
        quarters = quarters + count;
    }
    public double getTotal()
    {
        return nickels * NICKEL_VALUE
    }
}
```