FIRSTNAME: LASTNAME: DATE:

1) (30 pts ) Write a complete C++ program that prompts the user to enter 4 numbers. The program should then output the minimum of the numbers.

2) (30 pts) Write a complete C++ program that prompts the user to enter a number x. The program should then output the number f(x) given by the following formula.

```
x^{2} if x<0

9 if x=0

f(x) = x/(x+1) if 0< x <= 10

x^{2} + 1/x+1 if 10< x
```

- 3) (30 pts) Write a complete C++ code that prompts the user to enter two numbers x and y. The program should then output their sum if both numbers are divisible by 9, their product if only one of them is divisible by 9.

break;

}
else{
 num1 = num1 - num2++;
 num2 = (num1 + num2)/2;
}

cout << num1 << " " << num2 << endl;

return 0;

}