Question 5: Final (2015/2016)

Code:

```
#include <iostream>
using namespace std;

class Fraction {
public:
	int numerator;
	int denominator;
	Fraction(int n=1, int d=1) {
		numerator = n;
		if (d == 0)
			denominator = d + 1;
		else if (d < 0)
			denominator = -d;
		else
			denominator = d;
	}
	~Fraction() {};
	Fraction operator+(Fraction a) {
		Fraction b;
		b.numerator = numerator + a.numerator;
		b.denominator = denominator + a.denominator;
		return b;
	}
	Fraction operator-(Fraction a) {
		Fraction b;
		b.numerator = numerator - a.numerator;
		b.denominator = denominator - a.denominator;
		return b;
	}
	Fraction operator*(Fraction a) {
		Fraction b;
		b.numerator = numerator * a.numerator;
		b.denominator = denominator * a.denominator;
		return b;
	}
};

void main() {
	Fraction i, j(3, 6), k(1,-5);
	i = j + k;
	cout << i.numerator << ' ' << i.denominator << endl;
}
```