Quiz # 1 January 2014 Student Number:_____

1. Consider the following class:

```
public class Student {
	private String	name;
	private long	id;
	private float	midterm;
	private float	finalExam;

	public Student(String name, long id) {
		this.name = name;
		this.id = id;
	}
	public void setMidterm (float midterm) {
		this.midterm = midterm;
	}
	public void setFinal (float finalExam) {
		this.finalExam = finalExam;
	}
	public double getExamAverage() {
		return (this.midterm + this.finalExam) / 2.0;
	}
	public String toString(){
		return name + "," + id + "," + midterm + "," + finalExam;
	}
}
```

Write a complete Java program that first creates an instance of the Student class with the following attributes:

name: Jeff Johnson, student id: 55212, midterm grade: 75.8, final exam grade: 82.5

Then uses instance methods to:

- output all the attributes
- calculate and output the average exam grade

2. Consider the following interface:

```
public interface Area {
      public double getArea();
}
```

Write a complete class, named Square, that implements this interface.

The Square class will maintain two double attributes: length and width.

In addition to implementing the interface, you should include suitable accessor, mutator and toString methods.