Question 1.   [14 MARKS]

1. `amount = (int) (payment * cost);`

2. `(mark % 2) == 0`

3. `balance < 0 || balance > owing`

4. `Integer numStudents = new Integer(30);`

5.
```
class Midterm {
    String section;
    static int quantity = 150;
}
```

6.
```
String makePhoneNumber (int area, String number) {
    return "(" + area + ") " + number;
}
```

7.
```
Clock (Clock other) {
    this.hours = other.hours;
    this.ticking = other.ticking;
}
```

Question 2.   [18 MARKS]

```
1. public class SalesBookRecord extends BookRecord {
2.    private double price; // stores the price of the Book in dollars
3.
4.    // sets the price of this book record
5.    public void setPrice(double p) { this.price = p; }
6.
7.    // returns the price of this book record
8.    public double getPrice() { return this.price; }
9.
10.    // takes a discount, n, (int between 0 and 100), and returns the price of
11.    // this book discounted by n percent.
12.    // This is for section L0101
13.    public void discount0101(int n) {
14.       // convert n to a percentage, apply the discount
15.       this.price *= 1 - .01 * n;
16.    }
17.
18.    // return a String representation of this SalesBookRecord
19.    public String toString() {
20.       return getISBN() + " : " + getAuthor() + " : " + getTitle() + " : " + price;
21.    }
22. }
```

Question 3.   [18 MARKS]

Solution:

```
test1
      P

test2
      F     "Oakville, yogurt, 33311, soup, 34567"

test3
      P
      F     memory address of object
      N

test4
      P
      F     8
      N
```

Total Marks = 50