

CSC 1350 Exam # 1

September 23, 2013

Section ①

NAME: _____

- Blue book is required. Fill in the information on the cover of your blue book and on the exam sheet.
- Answer Exercises 1, 2 and 5 on the exam sheet and all other exercises in your blue book.
- Calculators are not allowed.
- Use the back of the exam sheets if you need scratch paper.
- Read the instructions carefully before beginning the exam.
- Turn in the exam and your blue book before you leave.

DURATION: 50 Minutes

Table 1: Distribution of Points

PART	WORTH	SCORE
I	$x_1 = 40$	
II	$x_2 = 60$	
Total	$\sum_{i=1}^2 x_i$	
Exam Score	100	/20

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

Identifier	Valid	Invalid
studentID#		
3Set		
PAY_DAY		
September 23, 2013		
_5thGrade		
salaryIn\$		
Ke\$ha		
SPEED_OF_LIGHT		

```
String str1 = "lousiana";
String str2 = "university";
System.out.print("Felic"+str1.replace("lous","")+" is a ");
System.out.println(str2.substring(6,10).replace("s","c"));
System.out.println("in the state of "+str1.toUpperCase()+".");
```

[illegible]

- `System.out.println("4" + (3 + 5) + 1 + "2");`
- `System.out.println(4 + 3 + "5" + "1 + 2");`

- Write the Java expression $dm = m * (\text{Math.sqrt}(1+v/c) / \text{Math.sqrt}(1-v/c) - 1)$; as a functionally equivalent expression in mathematical notation.
- Write the mathematical expression $FV = PV \cdot \left(1 + \frac{INT}{100}\right)^{YRS}$ as a functionally equivalent Java expression.
- What are the values of the following expressions? In each line assume that

- i. $x + n * y - (x + n) * y$
- ii. $5 * x - n/5$

- ```
String name = "McKenzie";
int month = 9, day = 23, year = 2013;
double salary = 5035;

System.out.printf("Today's date is %02d/%02d/%d.%n",month,day,year);
System.out.printf("%5s earned $%.2f.%n",name,salary);
```

[illegible]