Name: Section:

## Practice Midterm 1 Chapters 1 - 3

You have 50 minutes to work on this exam. Answer each question to the best of your ability. If you are stumped, or don't know how to write a specific piece of code, use comments, or sudo code, to describe the process or steps necessary to writing the program. As a suggestion, make tables to keep track of the variables in questions one and two if necessary.

Good Luck <sup>©</sup>

```
1. What is the output of the following program?
```

**Output:** 

2. What is the output of the following program?

**Output:** 

```
public class MixedNumberSalad {
      public static void main(String[] args) {
            int x = 4;
            int eight = 2;
            int one = 8;
            String y = "three";
            String z = "7";
            String ten = "one";
            addFour(x, one);
            subtractFive(ten, y, z);
            String four = getFive(z, x);
            System.out.print(four);
      }
      public static void addFour(int eight, int x) {
            System.out.println(x - eight + 10);
      }
      public static void subtractFive(String eight, String four, String one) {
            System.out.print(four + " " + eight + " " + one + " ");
      }
      public static String getFive(String x, int z) {
            z = z + 10;
            return "x + z";
      }
}
```

3. Write a program to produce the following pattern. Use a public final static int SIZE; to
determine the size of the pattern that needs to be generated. Below are the outputs for sizes
4 and 5:

Size	4
/////	<i>'      </i> *******\\\\\\\\\\\\\\\\\\\\\\\\\
/////	////*************
////*	*********
****	*******
Size	5
/////	<i>'     </i>
	<i>'      </i>  ************************
/////	////**************************
////*	**************
	:***********

Write out the whole program code, including the class name and main method.