

**AP Computer Science**  
**Chapter 2 Lab**

**All the Java lab programs should be in the interactive format**

1) Write an application that reads values representing a time duration in hours, minutes, and seconds and then prints the equivalent total number of seconds. (For example, 1 hour, 28 minutes, and 42 seconds is equivalent to 5322 seconds.)

2) Write an application that prompts for and reads an integer representing the length of a square's side, then prints the square's perimeter and area.

3) Write an application that prompts for and reads the numerator and denominator of a fraction as integers, then prints the decimal equivalent of the fraction.

4) Prompt user to input and , then calculate the distance between the two given points. The "Distance Program" output should look like:

```
=====
What is the x value of your first point? 5
What is the y value of your first point? 0
What is the x value of your second point? -4
What is the y value of your second point? -8
The distance between the point (5, 0) and (-4, -8) is 12.04
=====
```