Final exam schedule

Class	Class Title	Exam Date	Exam Time	Exam Room	Enrolle
CSC 15-08 (30392)	Program Concept+Method I (Discussion)	5/17/2016, Tuesday	12:45PM - 2:45PM	Riverside Hall 1013	
CSC 15-13 (35830)	Program Concept+Method I (Discussion)	5/18/2016, Wednesday	8:00AM - 10:00AM	Alpine 156	
CSC 15-01 (30046)	Program Concept+Method I (Discussion)	5/19/2016, Thursday	3:00PM - 5:00PM	Riverside 1013	

Practice exam questions

1. Practice questions from the last study guide
2. Write a method that accepts an array of int and prints the content of the array. If the content of the array is 00000000000003456, you need to only output: 3456.

   If the array contains 00000000000000000: you need to output 0.

3. (This question is from project #2)Write a method that accepts two arrays of int and adds the array elements:
   Int[] a = {3,4,5,6,7,8,9,9}
   int[] b = {9,8,7,8,7,8,7,9}
   The call to the method: add(a,b) should return an array with the following content:
   { 3,3,3,5,5,7,7,8 }
4. Write a method called sorted that accepts an array of type Circle, this method should return true if the array is sorted based on the radius, and should return false otherwise.
5. Write a method called contains that accepts an array of circle and a circle object, if the array contains the given circle object return true, otherwise return false. The signature for the method contains should be : public static boolean contain(Circle[] circles, Circle c)

6. Practice project #3 which is related to chapter 8
7. Write a class called BankAccount with following instance variables:

   private String id;
   private double balance;
   private int transactions;
   include constructor, accessors, mutators, equals, toString, deposit, withdraw, close. For each method must make your own restrictions.
   Write a driver class to create an array of 10 bank accounts.

8. Create a class called rectangle. Come up with the list of the instance variables. Also add all the methods related to the rectangle class from practice-it to your class such as
   a. contain, : this method returns true if a rectangle contains the other rectangle
   b. unionRectangle,: returns a rectangle which is the union of the two rectangles
   c. intersectionRectangle,
   d. accessors,
   e. mutators,
   f. toString,
   g. equals.
   h. constructor

9. Write a class called Fraction with the two instance variables denominator and numerator. Include constructors, toString, accessors, mutators, equals, also write the following methods:
   a. Constructor with two arguments
   b. Simplify that simplifies a given Fraction object, returns a Fraction
   c. Multiplication: multiplies two fraction object, returns a Fraction
   d. Subtraction: subtract two fraction objects, returns a Fraction
   e. Addition: adds two fraction objects, returns a fraction
   f. Division: divides two fraction objects, returns a fraction
   g. Reciprocal: finds the reciprocal of a fraction, returns a fraction
   h. equals: returns a Boolean
   i. toString: returns a string

10. write a class called line which has the following instance variables
    x,y of the starting point, x,y of the ending point
    add the following behaviors to the class:
    1. constructors
    2. isParrarel: returns true if two lines are parallel
    3. isperpendicular: returns true if two lines are perpendicular
    4. slope: finds the slop of the line
    5. length: finds the length of the line
    6. lineFormula: return the line formula in the form of $y = ax + b$