Lab 8

JA: These were not the exercises, it was the programming part.

11.1 : A subclass is a subset of a superclass is false.

11.3: Single Inheritance: If a subclass is allowed to extend only one super class, then it is called single inheritance.

Multiple Inheritance: If a subclass is allowed to extend multiple super classes, then it is called multiple inheritance. Java doesn’t support multiple inheritance.

11.5: The keyword super is used by the subclass to invoke constructor of the superclass. The syntax is super.method(parameters);

11.11 There are two errors this.radius = radius and this.length= length in constructors. Also in class B constructor it should be super(radius); not Circle(radius);

{

radius = radius; // Must use this.radius = radius

}

class B extends Circle {

Circle(radius); // Must use super(radius)

length = length; // Must use this.length = length

}

public double getArea() {

return getArea() \* length; // super.getArea()

}