**Name:**

**Comp2522 Quiz#3**

class Shape {

public void draw(){

System.out.println(“drawing shape”);

}

public Shape(){

System.out.println(“creating shape”);

draw();

}

}

class Rectangle extends Shape {

int w = 9;

int h = 15;

public void draw(){

System.out.println(“drawing rectangle size = ”+w+” “+h);

}

public Rectangle(int width, int height){

System.out.println(“creating rectangle”);

System.out.println(“width=”+w);

System.out.println(“height=”+h);

w = width;

h = height;

}

}

public class Drawing {

public static void main(String[] args){

Shape s = new Rectangle(100,200);

}

}

1. Give the output for the above code. <4 marks>

Creating Shape <1 mark>

Drawing rectangle size 0 0 <2 marks, 1 for “Drawing rectangle”, 1 for “0 0”

Creating rectangle <1 for the rest of this>

Width 9

Height 15

class I {

int i = 9;

int j;

I() {

prt("i = " + i + ", j = " + j);

j = 39;

}

static int x1 = prt("static I.x1 initialized");

static int prt(String s) {

System.out.println(s);

return 47;

}

}

public class B extends I {

int k = prt("B.k initialized");

B() {

prt("k = " + k);

prt("j = " + j);

}

static int x2 =

prt("static B.x2 initialized");

public static void main(String[] args) {

System.out.println("Started program");

**B b;**

}

} ///:~

1. Give the output for the above program <4 marks>

Static I.x1 initialized

Static B.x2 initialized

Started program