A+ Computer Science – Inheritance Worksheet 2

DIRECTIONS : Fill in each blank with the correct answer/output. Assume each statement happens in order and that one statement may affect the next statement. Some sections might print more than once. Write ERROR for any segments that cause errors.

```
class G{
   private int x;
   public G() { x=3;}
   public void setX(int val){
      x=val;
   }
   public String toString(){
      return ""+x;
   }
}

class H extends G{
   private int y;
   public H() { y=4;}
   public void setY(int val){
      y=val;
   }
   public String toString() {
      return ""+y+" "+super.toString();
   }
}

/////////////////////////////////////////
//test code in the main method
G one = new G();
out.println(one);
one.setX(5);
out.println(one);
H two = new H();
two.setX(-2);
two.setY(11);
out.println(two);

G three = new H();
out.println(three);
three.setX(8);
three.setY(21);
out.println(three);

G four = new H();
four.setX(11);
out.println(four);
four.setX(6);
((H)four).setY(14);
out.println(four);

H five= new H();
five.setY(7);
out.println(five);
five.setX(16);
five.setY(9);
out.println(five);
```

1. _____

2. _____

3. _____

4. _____