A+ Computer Science – Inheritance Worksheet 3

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.

```
class J{
   private int x, y;
   public J() { x = y = 3;}
   public void fun() { x = y = 6; }
   public int back() { return 1; }
   public String toString() {
      return x + " " + y;
   }
}

class K extends J {
   public void fun() { out.println(back()); }
   public String toString() {
      return "class K " + super.toString();
   }
}

class M{
   private int x, y;
   public M() { x=8;  y=1; }
   public double fun() { return x; }
   public double go() { return y; }
   public double back() { return fun(); }
   public String toString() {
      return x + " " + y;
   }
}

class N extends M{
   public N() { }
   public double fun() { return 7; }
   public double go() { return super.back(); }
   public double back() { return 2; }
   public String toString() {
      return super.toString();
   }
}

//////////////////////////////////////////
//test code in the main method
J one = new J();
out.println(one);
one = new K();
one.fun();
out.println(one);

M two = new M();
out.println(two.go());
out.println(two.back());
out.println(two.fun());
out.println(two);
two = new N();
out.println(two.go());
out.println(two.back());
out.println(two.fun());
out.println(two)
```

1. _____

2. _____