A+ Computer Science – Inheritance Worksheet 1

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 A{
   private int x;
   public A() { x =3;}
   public String toString() {
      return ""+x;
   }
}

class B extends A{
}



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

class D extends C{
}


class E{
   private int x;
   public E() { x =3;}
   public E(int val){
      x=val;
   }
   public String toString() {
      return ""+x;
   }
}

class F extends E{
      public F(){ }
      public F(int num){
         super(num);
      }
}
```

```
//test code in the main method
A one = new A();
out.println(one);
one = new B();
out.println(one);
```

1. _____

```
//test code in the main method
C two = new C();
out.println(two);
two = new D();
two.setX(9);
out.println(two);
two.setX(-12);
out.println(two.getX());
```

2. _____

```
//test code in the main method
E three = new E();
out.println(three);
three = new F(45);
out.println(three);
```

3. _____