

If there are many forms, are there many answers?

Assuming that the following classes have been defined:

```
public class One
{
    public void method1()
    {
        System.out.println("One1");
    }
}

public class Two extends One
{
    public void method3()
    {
        System.out.println("Two3");
    }
}

public class Three extends One
{
    public void method2()
    {
        System.out.println("Three2");
        method1();
    }
}

public class Four extends Three
{
    public void method1()
    {
        System.out.println("Four1");
        super.method1();
    }

    public void method3()
    {
        System.out.println("Four3");
    }
}
```

And assuming the following variables have been defined:

```
One var1 = new Two();
One var2 = new Three();
One var3 = new Four();
Three var4 = new Four();
Object var5 = new
Three(); Object var6 =
new One();
```

In the table below, indicate in the right-hand column the output produced by the statement in the left-hand column. If the statement produces more than one line of output, indicate the line breaks with slashes as in “a/b/c” to indicate three lines of output with “a” followed by “b” followed by “c”. If the statement causes an error, fill in the right-hand column with either the phrase “compiler error” or “runtime error” to indicate when the error would be detected.

Statement	Output
1. var1.method1 ();	<hr/>
2. var2.method1 ();	<hr/>
3. var3.method1 ();	<hr/>
4. var4.method1 ();	<hr/>
5. var5.method1 ();	<hr/>
6. var6.method1 ();	<hr/>
7. var4.method2 ();	<hr/>
8. var4.method3 ();	<hr/>