

5 章

◆ 5-1

1.

```
package exercise;
public class Ex05_01_1 {
    public static void main(String[] args) {
        double a=5;
        double sq = Math.sqrt(a+3);
        System.out.println("a+3 の平方根="+ sq);
    }
}
```

2.

Math.sqrt メソッドの戻り値型は double なので、double sq=Math.sqrt(15); としなければならぬ。

◆ 5-2

1.

```
package exercise;
public class Ex05_02_1 {
    public static void main(String[] args) {
        double a=30.51;
        double b=2.68;
        System.out.println(Math.round(a/b));
        System.out.println(Math.pow(a, b));
        System.out.println(Math.min(a, b));
        System.out.println(Math.sqrt(a)+Math.sqrt(b));
        System.out.println(Math.random());
        System.out.println(Math.random());
    }
}
```

2.

```
package exercise;
public class Ex05_02_2 {
    public static void main(String[] args) {
        System.out.println(Math.random()*6);
        System.out.println((int)(Math.random()*6));
        System.out.println((int)(Math.random()*6)+1);
    }
}
```

◆ 5-3

1.

```
package exercise;
import lib.Input;
public class Ex05_03_1 {
    public static void main(String[] args) {
        int n = Input.getInt();
        System.out.println("オリンピックまであと"+ n + "年");
    }
}
```

2.

```
package exercise;
import lib.Input;
public class Ex05_03_2 {
    public static void main(String[] args) {
        double x = Input.getDouble("x の値");
        double y = Input.getDouble("y の値");
        double ans = Math.pow(x, 3) / Math.pow(y, 3);
        System.out.println("Math.pow(x, 3) ÷ Math.pow(y, 3)=" + ans);
    }
}
```

◆ 5-4

1.

```
package exercise;
public class Ex05_04_1 {
    public static void main(String[] args) {
        String str1 = "http://localhost:8080/index.html";
        String str2 = str1.replace("localhost", "k-webs.jp");
        String str3 = str2.substring(7,21);
        String str4 = str3.toUpperCase();

        System.out.println("str1=" + str1);
        System.out.println("str2=" + str2);
        System.out.println("str3=" + str3);
        System.out.println("str4=" + str4);
    }
}
```