

CS 141: Introduction to (Java) Programming: Exam 2

Orr • Willamette University • Fall 2011

Solutions v2

1. b
2. c
3. 12
4. c
5. c
6. c
7. scope
 - a. iii
 - b. iii
 - c. ii
8. c
9. b
10. 24
11. i. C ii. B iii. A iv. D v. C
12. d
13. c
14. a
15. deltsiggak

16.

```
public static boolean checkSize(double width, double length)
{
    if (length*width < 40) return true;
    else return false;
}
```

Or, even shorter:

```
public static boolean checkSize(double width, double length)
{
    return (length*width < 40);
}
```

17. 2D arrays

- a.

```
double [][] nums = new double[20][5];
```
- b.

```
for (int i = 0; i < nums.length; i++) {
    for (int j = 0; j < nums[i].length; j++) {
        nums[i][j] = Math.random();
    }
}
```
- c.

```
for (int i = 0; i < nums.length; i++) {
    double sum = 0;
    for (int j = 0; j < nums[i].length; j++) {
        sum = sum + nums[i][j];
    }
    System.out.println("sum =" + sum);
}
```