

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

Orr • Willamette University • Fall 2011

Solutions v1

- | | |
|----------|----------------------------------|
| 1. a | 8. a |
| 2. b | 9. c |
| 3. 8 | 10. 18 |
| 4. a | 11. i. B ii. D iii. C iv. A v. B |
| 5. b | 12. b |
| 6. a | 13. a |
| 7. scope | 14. b |
| a. iii | 15. deltsiggak |
| b. iv | |
| c. ii | |

16.

```
public static boolean checkSize(double width, double length)
{
    if (length*width > 30) return true;
    else return false;
}
```

Or, even shorter:

```
public static boolean checkSize(double width, double length)
{
    return (length*width > 30);
}
```

17. 2D arrays

```
a. double [][] nums = new double[30][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);
}
```