

## Worksheet #33: MPI send and receive

---

Name: \_\_\_\_\_

Netid: \_\_\_\_\_

```
1. int a[], b[];
2. ...
3. if (MPI.COMM_WORLD.rank() == 0) {
4.     MPI.COMM_WORLD.Send(a, 0, 10, MPI.INT, 1, 1);
5.     MPI.COMM_WORLD.Send(b, 0, 10, MPI.INT, 1, 2);
6. }
7. else {
8.     Status s2 = MPI.COMM_WORLD.Recv(b, 0, 10, MPI.INT, 0, 2);
9.     Status s1 = MPI.COMM_WORLD.Recv(a, 0, 10, MPI_INT, 0, 1);
10.    System.out.println("a = " + a + " ; b = " + b);
11.}
12. ...
```

In the space below, indicate what values you expect the print statement in line 10 to output, assuming that the program is executed with two MPI processes.

