

## Worksheet #28: MPI send and receive

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

Net ID: \_\_\_\_\_

```
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.

