# Worksheet #31: MPI_Gather

**In the space below, indicate what value should be provided instead of ??? in line 6, and how it should depend on myrank.**

```
2.   MPI.Init(args) ;
3.    int myrank = MPI.COMM_WORLD.Rank() ;
4.    int numProcs = MPI.COMM_WORLD.Size() ;
5.    int size = ...;
6.    int[] sendbuf = new int[size];
7.    int[] recvbuf = new int[???];
8.    . . . // Each process initializes sendbuf
9.   MPI.COMM_WORLD.Gather(sendbuf, 0, size, MPI.INT,
10.                         recvbuf, 0, size, MPI.INT,
11.                         0/*root*/);
12.  . . .
13. MPI.Finalize();
```