provide count and datatype arguments that specify the same type signature (i.e., it is not necessary that both groups provide the same count value).

7. Section 6.3.1 on page 186.
MPI_GROUP_TRANSLATE_RANKS and MPI_PROC_NULL: MPI_PROC_NULL is a valid rank for input to MPI_GROUP_TRANSLATE_RANKS, which returns MPI_PROC_NULL as the translated rank.

8. Section 6.7 on page 221.
About the attribute caching functions:

> *Advice to implementors.* High-quality implementations should raise an error when a keyval that was created by a call to MPI_XXX_CREATE_KEYVAL is used with an object of the wrong type with a call to MPI_YYY_GET_ATTR, MPI_YYY_SET_ATTR, MPI_YYY_DELETE_ATTR, or MPI_YYY_FREE_KEYVAL. To do so, it is necessary to maintain, with each keyval, information on the type of the associated user function. (*End of advice to implementors.*)

9. Section 6.8 on page 235.
In MPI_COMM_GET_NAME: In C, a null character is additionally stored at name[resultlen]. resultlen cannot be larger then MPI_MAX_OBJECT_NAME-1. In Fortran, name is padded on the right with blank characters. resultlen cannot be larger then MPI_MAX_OBJECT_NAME.

10. Section 7.4 on page 243.
About MPI_GRAPH_CREATE and MPI_CART_CREATE: All input arguments must have identical values on all processes of the group of comm_old.

11. Section **??** on page **??**.
In MPI_CART_CREATE: If ndims is zero then a zero-dimensional Cartesian topology is created. The call is erroneous if it specifies a grid that is larger than the group size or if ndims is negative.

12. Section 7.5.3 on page 246.
In MPI_GRAPH_CREATE: If the graph is empty, i.e., nnodes == 0, then MPI_COMM_NULL is returned in all processes.

13. Section 7.5.3 on page 246.
In MPI_GRAPH_CREATE: A single process is allowed to be defined multiple times in the list of neighbors of a process (i.e., there may be multiple edges between two processes). A process is also allowed to be a neighbor to itself (i.e., a self loop in the graph). The adjacency matrix is allowed to be non-symmetric.

> *Advice to users.* Performance implications of using multiple edges or a non-symmetric adjacency matrix are not defined. The definition of a node-neighbor edge does not imply a direction of the communication. (*End of advice to users.*)

14. Section 7.5.4 on page 248.
In MPI_CARTDIM_GET and MPI_CART_GET: If comm is associated with a zero-dimensional Cartesian topology, MPI_CARTDIM_GET returns ndims=0 and MPI_CART_GET will keep all output arguments unchanged.