On all of these problems, you will probably find it helpful to draw on the given figure, since that is usually the easiest way to indicate centers of rotation and lines of reflection.

1. List the symmetries of the following Japanese crest, and give its symmetry type. (The figure is shown in white. The black background is not part of the figure.)

2. List the symmetries of the following Japanese crest, and give its symmetry type. (The figure is shown in white. The black background is not part of the figure.)
3. List the symmetries of the following French ironwork, and give its symmetry type. (This is a depiction of a three-dimensional object, so it has patterns of light and shadow. Ignore all such patterns. If a transformation seems to be approximately a symmetry, treat it as a symmetry.)

![French ironwork image]

4. List the symmetries of the following figure, and give its symmetry type. (You may ignore all color in this figure.)

![Circular figure image]