1. What is the symmetry type of the following figure? Justify your answer.

![Image of a geometric pattern](image1.png)

2. What is the symmetry type of the following figure? Justify your answer.

![Image of a decorative pattern](image2.png)

(This is a Maori Kowhaiwhai pattern in the Ngaru style. Scanned and traced from Hamilton, Maori Art (1901). From euler.slu.edu.)
3. What is the symmetry type of the following figure, ignoring the colors? Justify your answer.

(Bird/Fish (No. 34B) by M.C. Escher, from mcescher.com)

4. What is the symmetry type of the following figure? Justify your answer.
5. What is the symmetry type of the following figure? Justify your answer.

(Fish/Duck/Lizard (No. 69) by M.C. Escher, from mcescher.com)

If you would like additional practice with wallpaper patterns, try mcescher.com. The symmetry collection is under Gallery and Collection:Symmetry. Also, searching on Google for terms such as “wallpaper pattern” or “wallpaper pattern symmetry” will call up plenty of examples.

For more practice with border patterns, search online for “frieze pattern” (possibly along with “symmetry”).