in each of the following circular regions below, complete the design so that it satisfies the symmetry condition specified (and no others).

180°-rotational symmetry

Three lines of symmetry 120°, 240° rotational symmetry

4 lines of symmetry 90°, 180°, 270° rotational symmetry

90°, 180°, 270° rotational symmetry

2 lines of symmetry 180° rotational symmetry

**PROBLEM:** A triangle has either three lines of symmetry, one line of symmetry, or zero lines of symmetry. What are the possible number of lines of symmetry for pentagons and hexagons?