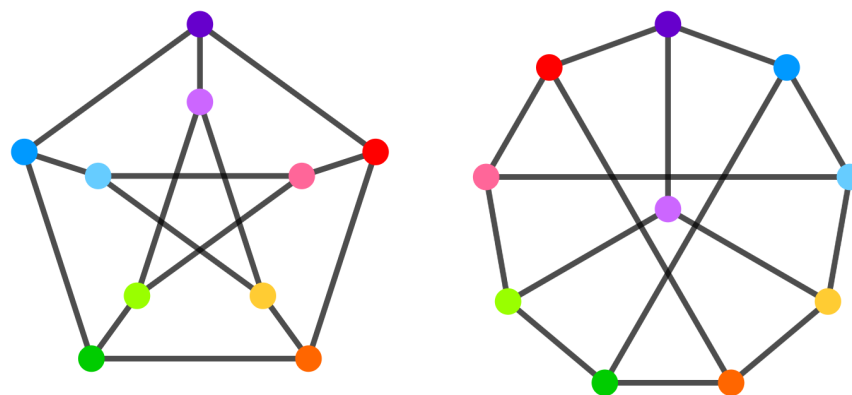


Perspective Shift

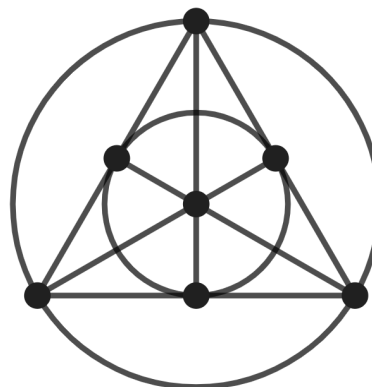


A graph (collection of vertices and edges) can be drawn in many ways. It is often not possible to illustrate all of a graph's symmetry in a single drawing.

To compensate, we can use multiple different drawings to illustrate different kinds of symmetry of the same graph. For instance, the Peterson graph can be drawn to illustrate either fivefold or threefold symmetry:



Problem. Redraw the graph below to illustrate *fourfold* symmetry:



(Currently, of course, this picture illustrates threefold symmetry.)

Hint. Instead of drawing a simple two-dimensional figure, lift some pieces off the page (or out of the screen) and imagine a three-dimensional figure!