1046-52-674   **Irena Swanson*** (`iswanson@reed.edu`), 3203 SE Woodstock Blvd, Portland, OR 97202.
Semiregular tessellations.

A semiregular tessellation of a plane is a tessellation using only regular n-gons such that each vertex meets an adjacent shape in a vertex, and the configurations are the same at all vertices (up to rotation). There are only finitely many semiregular tessellations (eight or nine, in addition to the three regular tessellations, depending on how you count).

I will discuss how to render semiregular tessellations in quilt form, in particular, what are the geometric shortcuts that save time but possibly not the fabric. (Received September 09, 2008)