1. A pattern in which one or more repeated tiles are used to cover a plane without leaving gaps or overlapping and that can be extended forever in every direction is called a tiling or _________.

2. These patterns that use only tiles of one size and shape are called _________ tilings.

3. A _________ tiling is an edge-to-edge tiling in which the tiles used are all a single polygon that has all angles and all sides equal.

4. What are the only three shapes that can be used to make a tiling of the type described in #3 above?

5. Two vertices are said to be of the same vertex _________ if the same number and kind of polygons are arranged about them in the same order.

6. What is a semiregular tiling?

7. **True** or **False**: It is possible to produce a tiling with any type of triangle or quadrilateral.

8. **True** or **False**: It is possible to produce a tiling with any type of pentagon or hexagon.

9. **True** or **False**: It is possible to produce a tiling with shapes other than polygons.