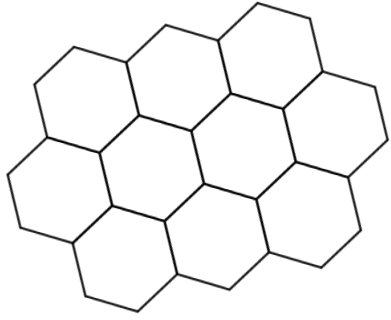
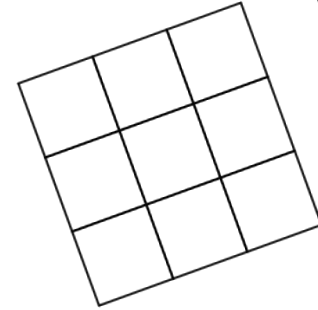
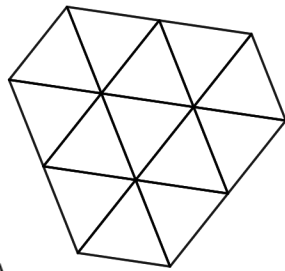
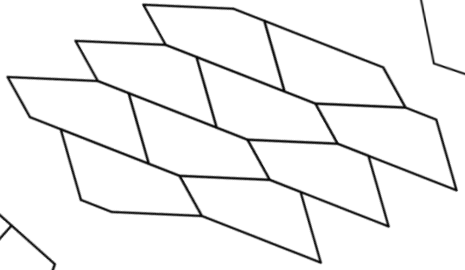


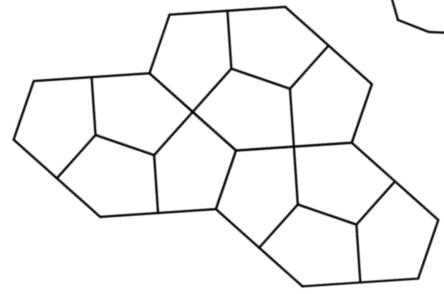
Regular pentagons can't tile the plane as they overlap if more than 3 meet at a point.



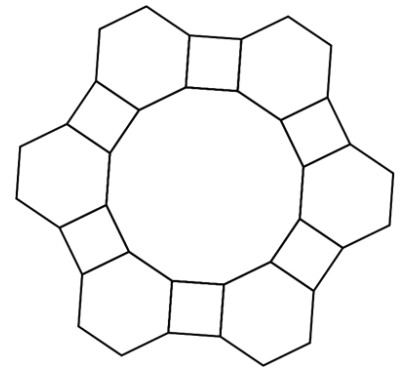
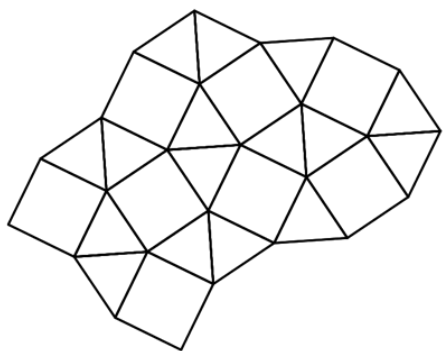
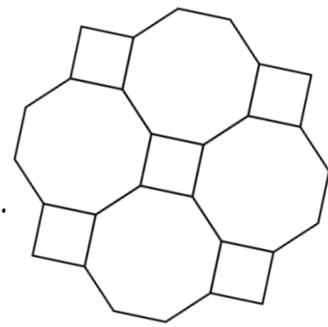
Some regular shapes tessellate. Here you can see how equilateral triangles, squares and regular hexagons tile the plane.



Some irregular pentagons will tile the plane. Here are some examples.



It is possible to tile the plane with a mixture of different regular shapes. Here are some examples. They are called semi regular tessellations



Tessellation

A tessellation is when a surface is covered with a pattern of flat shapes so that there are no overlaps or gaps.

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