




Semi-regular tessellations

(I) Triangle  angle: 60°
 $360^\circ = 6 \times 60^\circ$

(II) Square  angle: 90°
 $360^\circ = 4 \times 90^\circ$

(III) Pentagon  angle: 108°
 360° is not a multiple of $108^\circ \Rightarrow$ not possible

(IV) Hexagon  angle: 120°
 $360^\circ = 3 \times 120^\circ$

(V) regular polygons with more edges

angle: $> 120^\circ \Rightarrow$ not possible to get 360°
 $\leftarrow 180^\circ$

Kryštof

