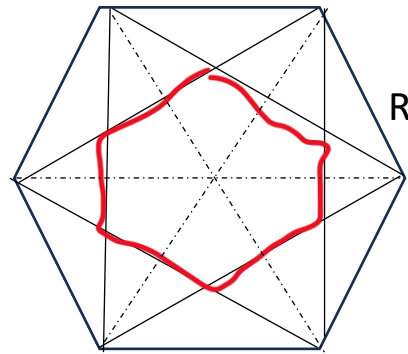
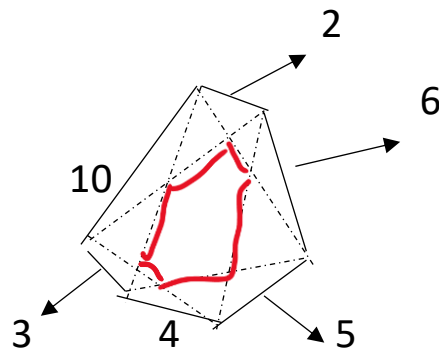


EQUALITY IN AREAS INSCRIBED IN A POLYHEDRON:



If the hexagon is regular, the distance of the legs coincidental with the radius (there are 6 triangles equilateral). The result it is $6R$.

If we assume $R=5$ meters, the calculation us give 30 meters, and now I expose that curious about the case:



that $\sum catets = 30$

both areas in red they will be Equal . By force !