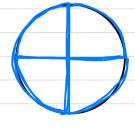
for any triangulation, we can count



$$\bar{V} = 6$$



Defn Sps that 8 is a triangulation of a regular region

RCS. The Euler-Poincaré characteristic

often, well

With this B,

$$X(sphere) = 8 - 12 + 6 = 2$$

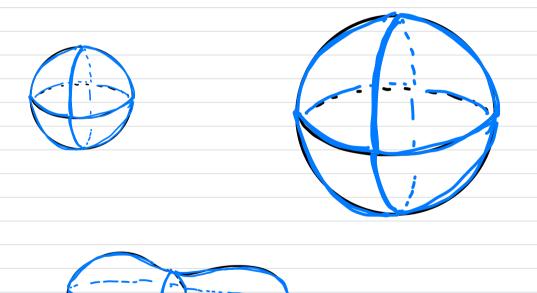


With this P,

 $\chi(disk) = 4 - 8 + 5 = 1$

We'll show: Y(8) hoes not depend on P. of P.

But observe: For any P, F, €, V don't depend at all on geometry, or even differentiability



So: X(S) is a topological invariant.