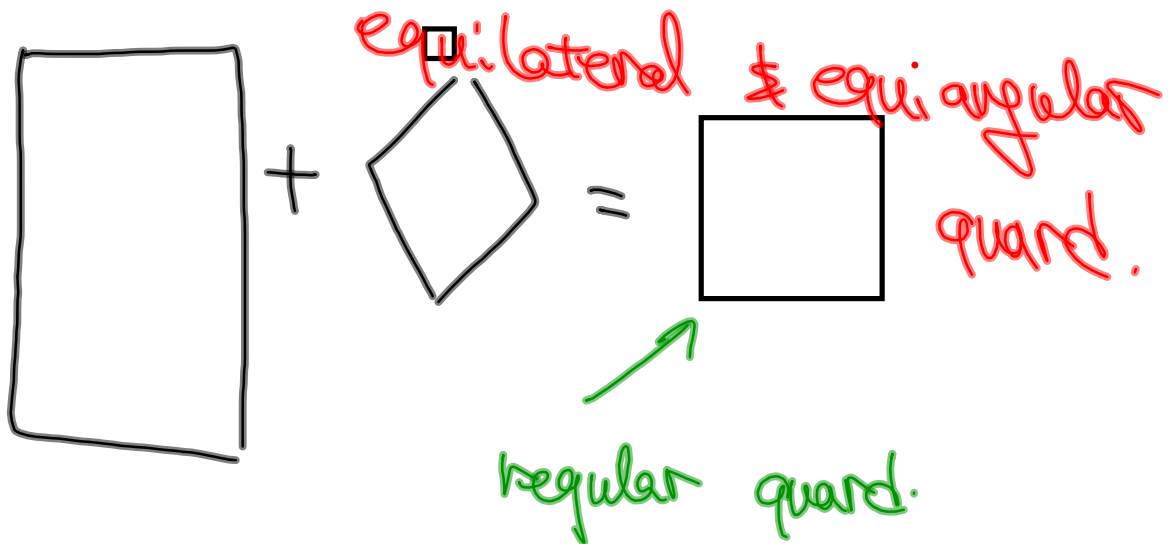


What is a square?

Def. a quad.

Do Now Sketch a square. with equal angles  
& sides.

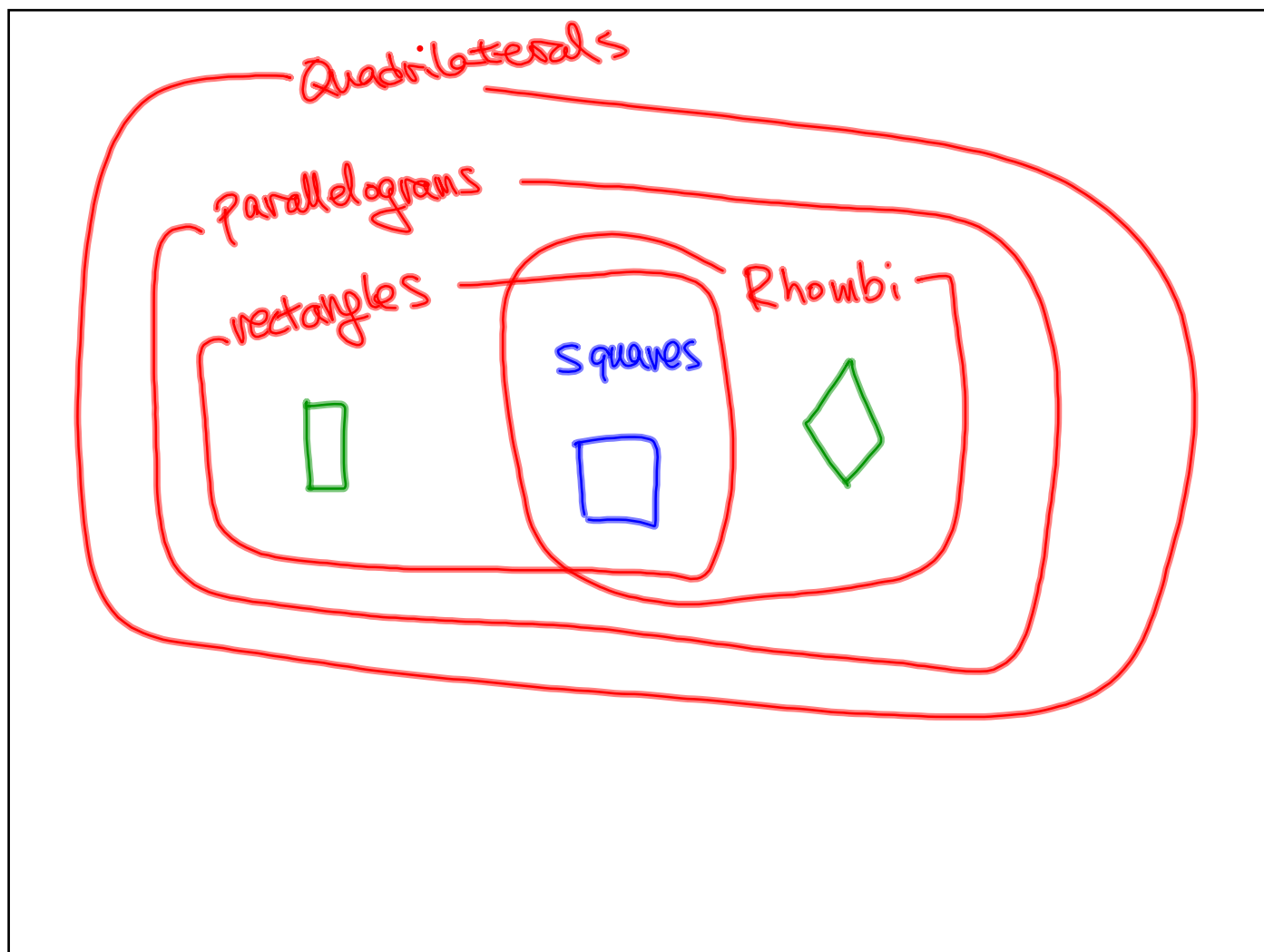


properties of  $\boxed{S}$

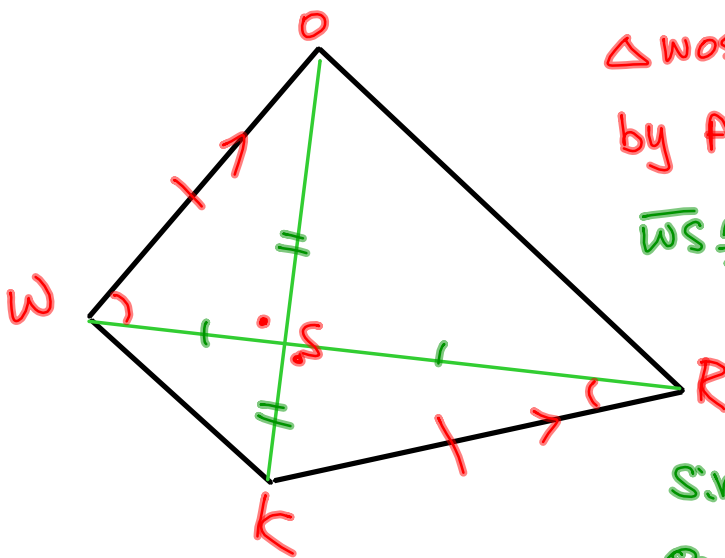
\* prop. of  $\diamond R$  — equilateral

\* prop. of  $\boxed{R}$  — equiangular

\* prop. of  $\boxed{P}$  — opp.  $\angle$ 's are  $\cong$



8.3.3 In quadrilateral  $WORK$ ,  $WO = RK$  and  $\overline{WO} \parallel \overline{RK}$ . Prove that  $WORK$  is a parallelogram.



$$\triangle WOS \cong \triangle RKS$$

by AAS.

$$\overline{WS} \cong \overline{RS} \text{ \& } \overline{KS} \cong \overline{OS}$$

by CPCTC

Since diag. bisect  
each other,  $WORK$  is  
 $\square$ .