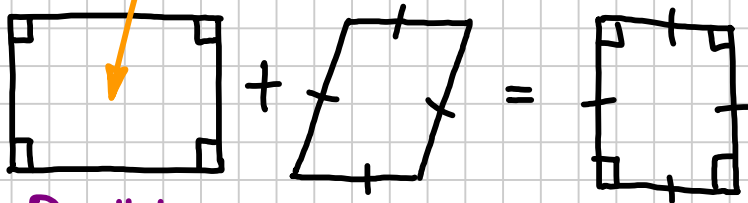


8.4 Rectangles, Rhombi, and Squares

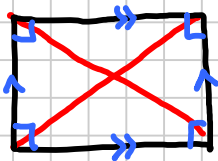


Parallelogram w/ 4 rt. \angle s + Parallelogram w/ 4 \cong sides = \square w/ 4 rt. \angle s & 4 \cong sides

THM 8.10

THM 8.11

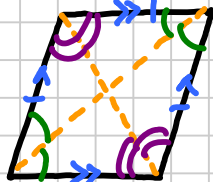
THM 8.12



Diagonals of a rect. are \cong

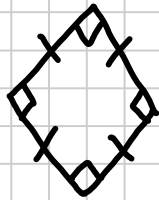


Diagonals of a rhombus are \perp .



Each diagonal of a rhombus bisects a pair of opposite \angle s

ex 1) Identify the parallelogram.



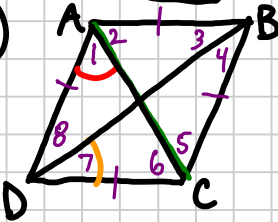
\rightarrow Square

Your Turn



\rightarrow rectangle

ex 2)



Which angles are \cong to $\angle 1$?

$\rightarrow \angle 2, \angle 5, \angle 6$

ex 3) If $m\angle 7 = 35^\circ$, find $m\angle ADC$

$2(35) = 70^\circ$

\rightarrow find $m\angle 5$.

