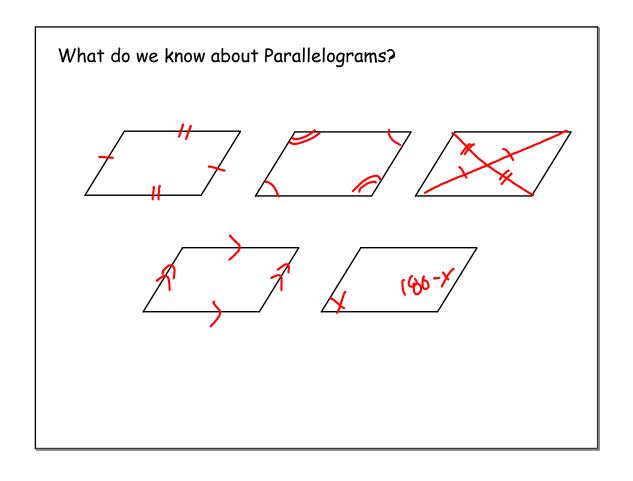
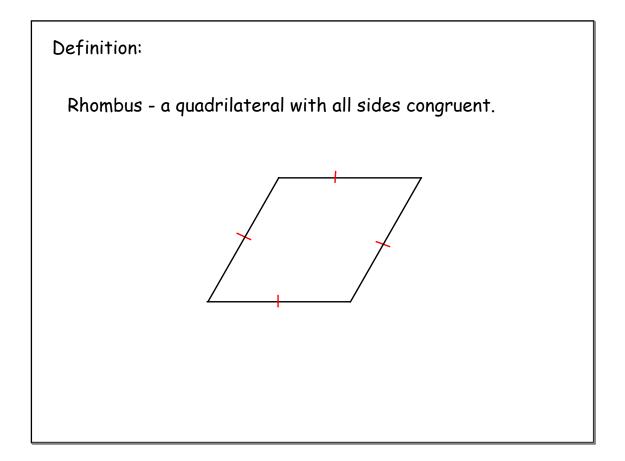
## 3-4 Special Parallelograms

Notes: Pages 501-502, 487-488

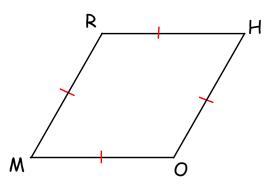


## Also remember from last time: If opposite sides are congruent... If the angles bisect each other... If opposite sides are congruent and parallel... ...then the quadrilateral is a parallelogram. These will make things easy today



## P. 501 Q. 3

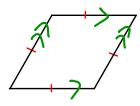
Prove that rhombus RHOM is a parallelogram. (if you remember last time this should take one statement)

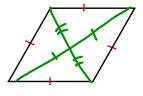


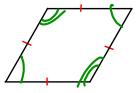
Because opposite sides are =, PHOM is a 1/gram.

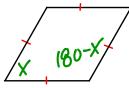
## P. 501 Q. 4

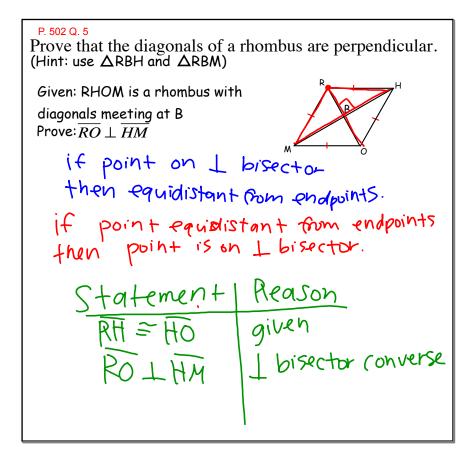
Since a rhombus is a parallelogram, what properties hold true for all rhombi?



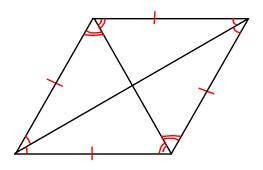






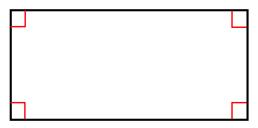


We also can prove that the diagonals of a rhombus bisect the vertex angles. You will prove this one in your homework.

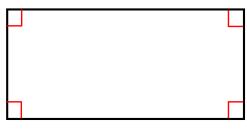


Def	ın	1†1	on:
<b>O O</b> ,	•••		•

Rectangle - A quadrilateral with all angles congruent.



Prove that rhombus RECT is a parallelogram.



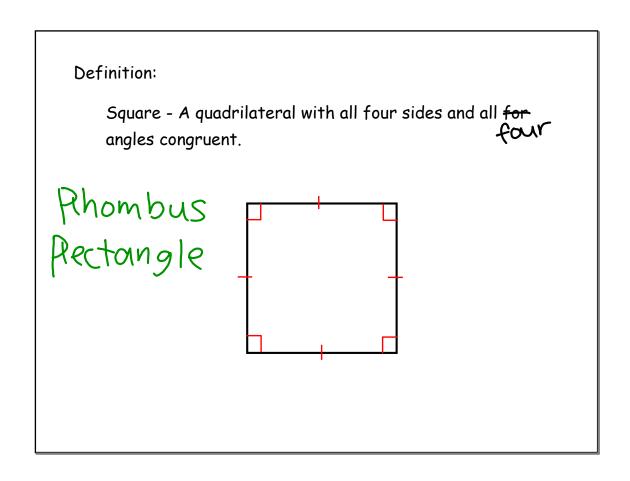
Because opposite < s =, it is a 1/gram.

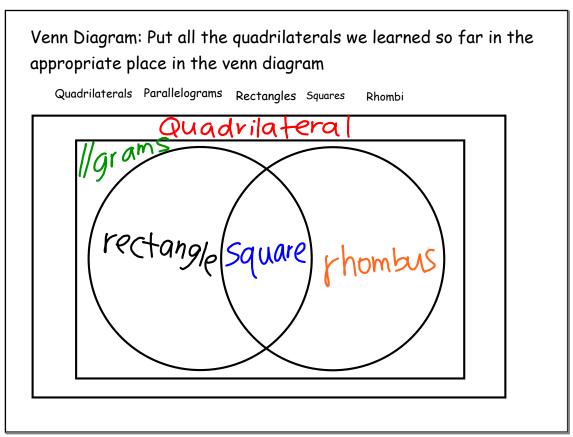
Group work
P. 487-488 Q. 4,7

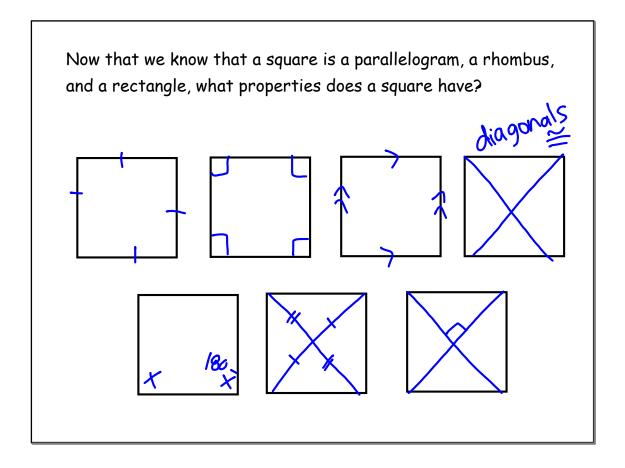
Given: Rectangle RECT with diagonals  $\overline{RC}$  and  $\overline{ET}$  intersecting at point A

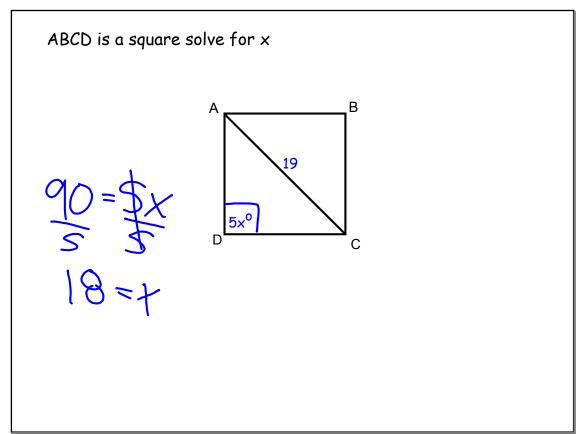
Do you have enough information to conclude the diagonals of a

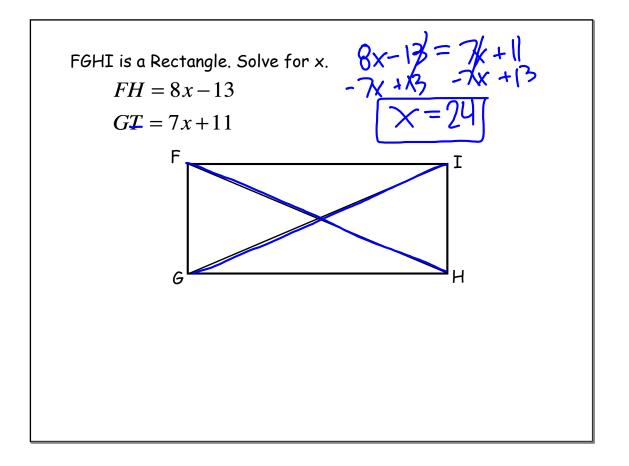
Statement Reason  $\overline{RC} \cong \overline{C}$   $CRC \cong CECT$  Rectangle  $RC \cong \overline{C}$   $RC \cong \overline{C}$ 











October 04, 2013