NO QUIZ TODAY!!

We will go over any questions from lesson 7.1 and move on to lesson 7.2, so get ready!!

Parallelograms and Rhombi

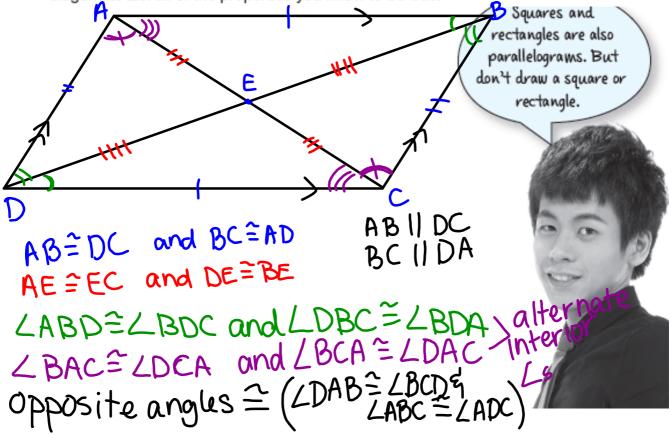
7.2

Properties of Parallelograms and Rhombi

PG.495-96 IN YOUR BOOK

A parallelogram is a quadrilateral with both pairs of opposite sides parallel.

 Draw a parallelogram with two diagonals. Label the vertices and the intersection of the diagonals. List all of the properties you know to be true.



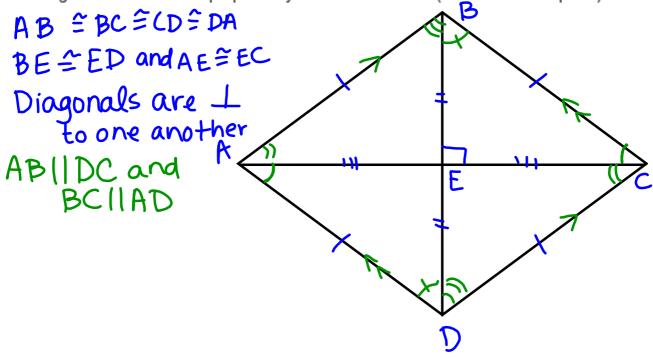
BOTTOM OF PG.499 IN YOUR BOOK

The Parallelogram/Congruent-Parallel Side Theorem states: "If one pair of opposite sides of a quadrilateral is both congruent and parallel, then the quadrilateral is a parallelogram."

PG.500 IN YOUR BOOK

A rhombus is a quadrilateral with all sides congruent.

 Draw a rhombus with two diagonals. Label the vertices and the intersection of the two diagonals. List all of the properties you know to be true. (Do not draw a square.)

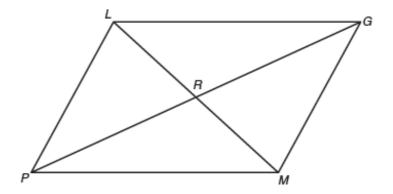


Classwork/Homework 7.2 Assignment Worksheet

LESSON 7.2 Assignment

Parallelograms and Rhombi Properties of Parallelograms and Rhombi

Quadrilateral PLGM is a parallelogram.



1. If $m \angle PLG = 124^{\circ}$, what is $m \angle GMP$? Explain.

2. If $m \angle LPM = 56^{\circ}$, what is $m \angle LGM$? Explain.

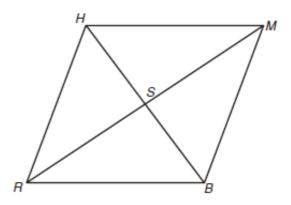
3. If the length of \overline{LG} is 20 meters, what is MP? Explain.

4. If the length of PR is 12 inches, what is GR? Explain.

LESSON 7.2

Assignment

Quadrilateral RHMB is a rhombus.



5. If $m \angle HRB = 70^{\circ}$, what is $m \angle HMB$? Explain.

6. If $m \angle RHB = 55^{\circ}$, what is $m \angle MHB$? Explain.

7. If the length of \overline{RB} is 25 feet, what is HR? Explain.

8. If the length of \overline{HS} is 18 centimeters, what is SB? Explain.

9. What is $m \angle RSB$? Explain.