Name Date

Notetaking with Vocabulary

For use after Lesson 7.2

7.2

In your own words, write the meaning of each vocabulary term.

parallelogram – quadrilateral with both pairs of opposite sides parallel

Theorems

Theorem 7.3 Parallelogram Opposite Sides Theorem

If a quadrilateral is a parallelogram, then
its opposite sides are congruent.

If *PQRS* is a parallelogram, then 

and 

Notes:

Theorem 7.4 Parallelogram Opposite Angles Theorem

If a quadrilateral is a parallelogram, then

its opposite angles are congruent.

If *PQRS* is a parallelogram, then 

and

Notes:

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Notetaking with Vocabulary **(continued)**

Theorem 7.5 Parallelogram Consecutive Angles Theorem

If a quadrilateral is a parallelogram, then its

consecutive angles are supplementary.

If *PQRS* is a parallelogram, then 

Notes:

Theorem 7.6 Parallelogram Diagonals Theorem

If a quadrilateral is a parallelogram, then its

diagonals bisect each other.

If *PQRS* is a parallelogram, then  and 

Notes:

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7.2

Notetaking with Vocabulary **(continued)**

Extra Practice

In Exercises 1–3, find the value of each variable in the parallelogram.

 1. 2. 3.

In Exercises 4–11, find the indicated measure in Explain your reasoning.

 4. *PO*



 5. *OQ*

 6. *NO*

 7. *PQ*

 8. 

 9. 

 10. 

 11. 