

# 7-4

## Practice

Form G

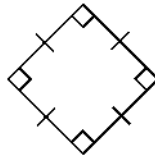
### Properties of Rhombuses, Rectangles, and Squares

Decide whether the parallelogram is a *rhombus*, a *rectangle*, or a *square*. Explain.

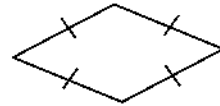
1.



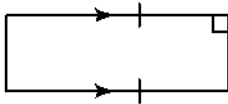
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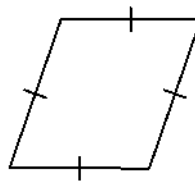
3.



4.

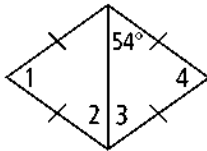


5.

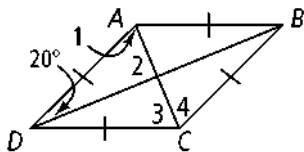


Find the measures of the numbered angles in each rhombus.

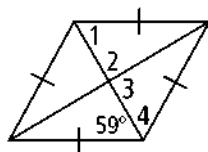
5.



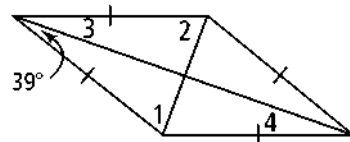
6.



7.



8.



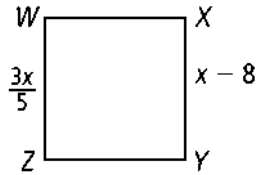
**Algebra**  $H I J K$  is a rectangle. Find the value of  $x$  and the length of each diagonal.

9.  $HJ = 3x + 5$  and  $IK = 5x - 9$

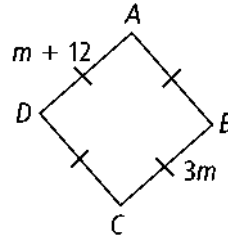
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Algebra Find the values of the variables. Then find the side lengths.**

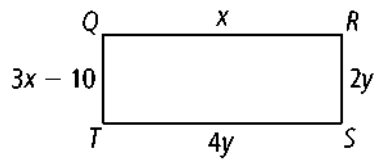
10. square  $WXYZ$



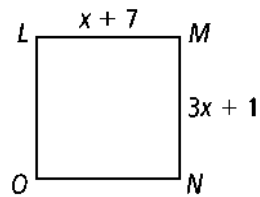
11. rhombus ABCD



26. rectangle  $QRST$



27. square  $LMNO$



28. Solve using a paragraph proof.

**Given:** Rectangle  $DVEO$  with diagonals  $\overline{DE}$  and  $\overline{OV}$

**Prove:**  $\triangle OVE \cong \triangle DEV$