Name _____ Date _____

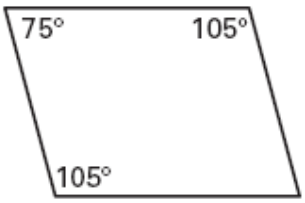
LESSON 8.3

Practice B

For use with pages 522–529

What theorem can you use to show that the quadrilateral is a parallelogram?

1.



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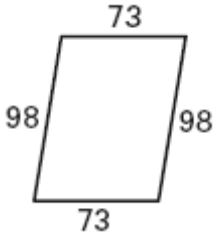

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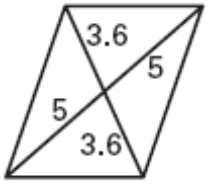

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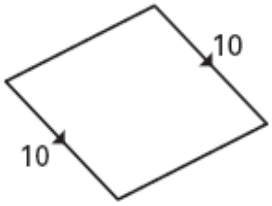
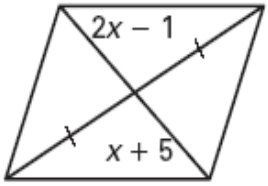


For what value of *x* is the quadrilateral a parallelogram?

5.



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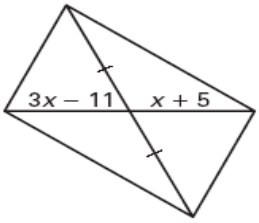

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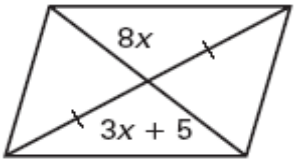
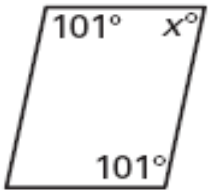
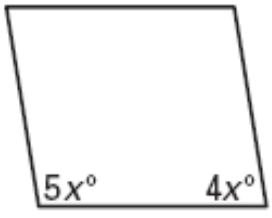


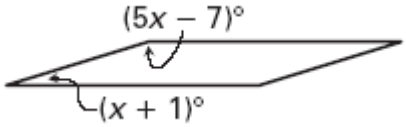
8.



9.

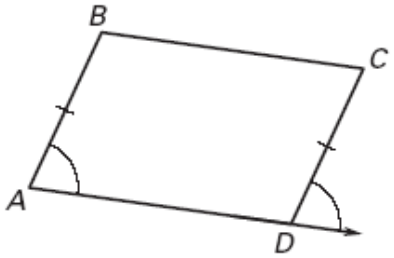


10.

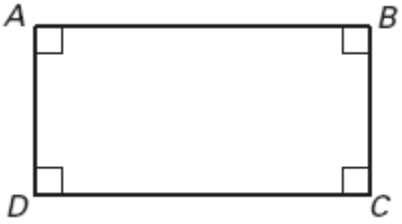


Describe **how to prove that *ABCD* is a parallelogram.**

11.



12.

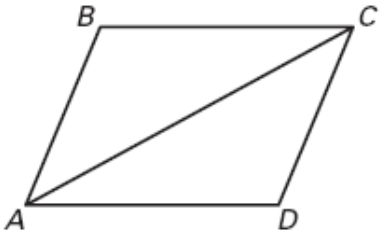


13. Three vertices of parallelogram *ABCD* are 4(–l, 4), 5(4, 4), and C(11, –3). Find the coordinates of point *D*.

14. **Proof** Use the diagram at the right.

GIVEN: $\Delta ABC \cong \Delta CDA$

PROVE: *ABCD* is a parallelogram.



Statements	Reasons