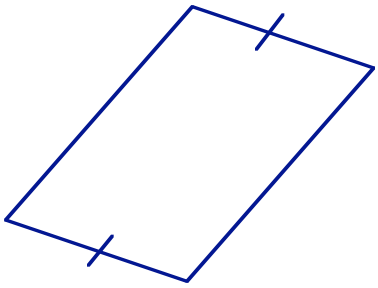
Chapter 6: Quadrilaterals
Lesson 6-2: Tests for Parallelograms
Classwork

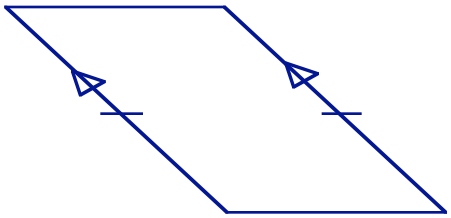
Name:_____
Date:_____
Period:_____

Determine if each quadrilateral is a parallelogram. If so, by which theorem(s)? If not, why?

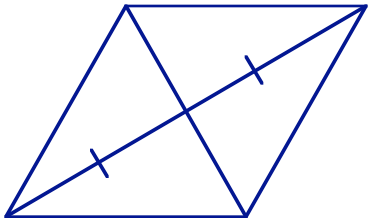
1.



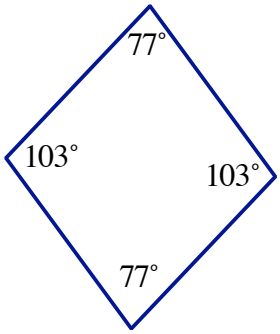
2.



3.

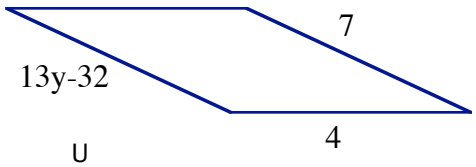


4.

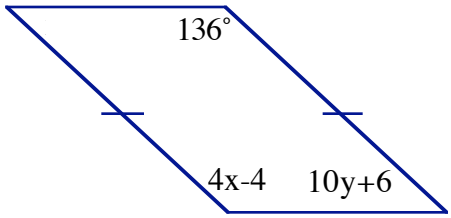


Find the values of x and y that ensure each quadrilateral is a parallelogram.

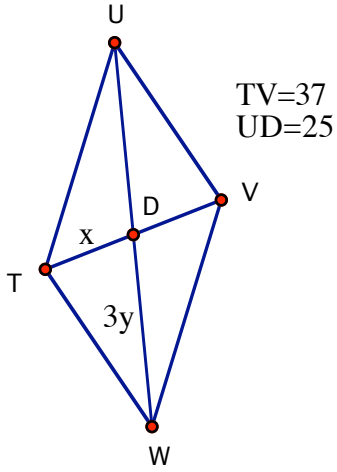
5.



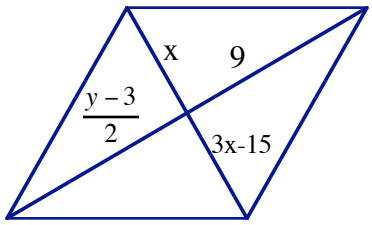
6.



7.



8.



For problems 9-13 use the given information to determine that quadrilateral ABCD is a parallelogram or not. If you are not given enough information write "can't determine."

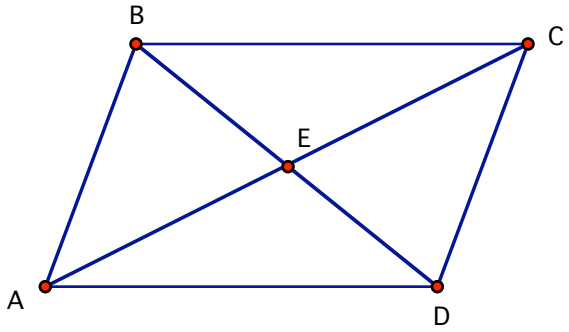
9. AB=13, CD=13.

10. $m\angle ABE = m\angle EDC,\ AD = BC$

11. AE=12, EC=24

12. AB=BC, $m\angle BAD = m\angle BCD$

13. BD=2(BE), AC=2(EC)



For problems 14, 15 use the given information to determine that the quadrilateral is a parallelogram. If you are not given enough information write "can't determine."

14. Two consecutive pairs of angles are supplementary.

15. Opposite sides are parallel.