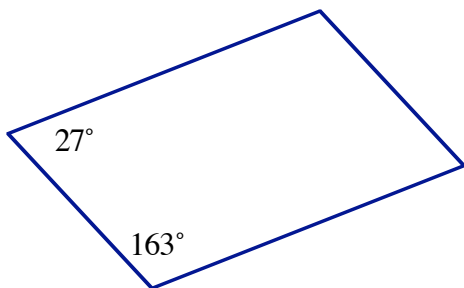


Chapter 6: Quadrilaterals
Lesson 6-2: Tests for Parallelograms
Homework

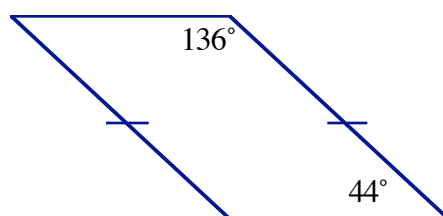
Name: _____
Date: _____
Period: _____

Determine if each quadrilateral is a parallelogram. If there is not enough information, write “can’t determine.”

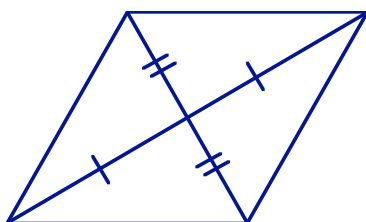
1.



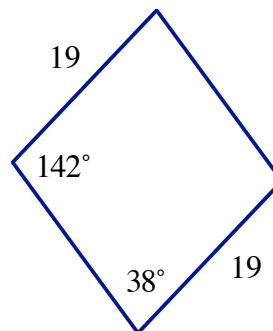
2.



3.

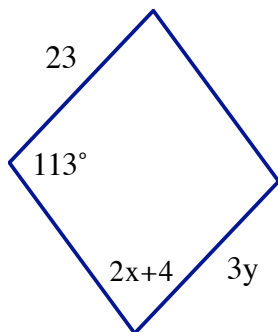


4.

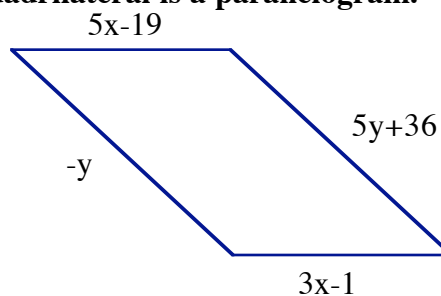


Find the values of x and y that ensure each quadrilateral is a parallelogram.

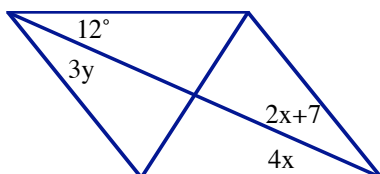
5.



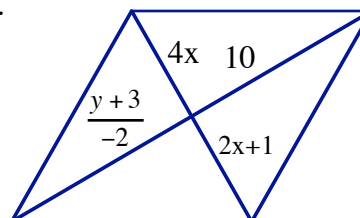
6.



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.”

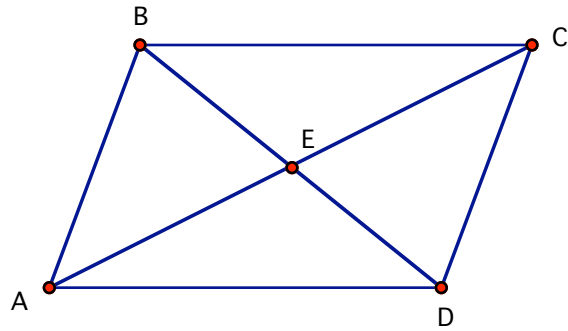
9. $AD=BC$, $m\angle BAD + m\angle ABC = 180^\circ$

10. $AB = CD$, $BC \parallel AD$

11. $m\angle BCD = 72^\circ$, $m\angle CDA = 111^\circ$

12. $BE=ED$, $m\angle DAB = m\angle BCD$

13. $m\angle BEC = 90^\circ$



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. Diagonals are congruent

15. Opposite angles are congruent.