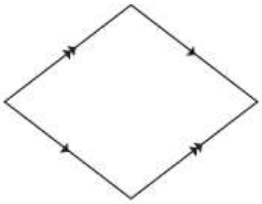
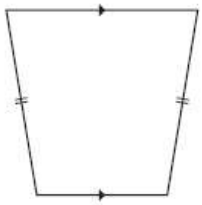
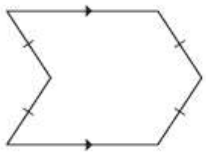
Parallelograms HW Name:_____

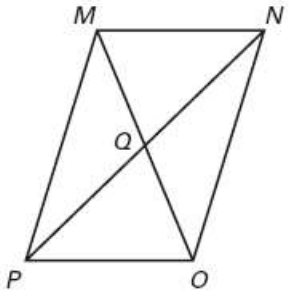
Decide whether the figure is a parallelogram. If it is not, explain why not.

1. 

2. 

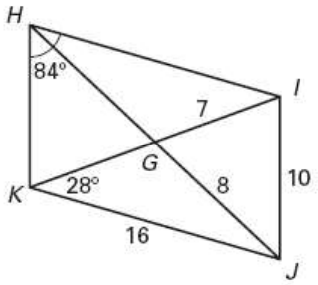
3. 

Use the diagram of parallelogram *MNOP* at the right. Complete the statement, and give a reason for your answer.



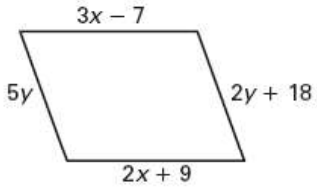
4. $\overline{MN} \cong$?
5. $\overline{MN} \parallel$?
6. $\overline{ON} \cong$?
7. $\angle MPO \cong$?
8. $\overline{PQ} \cong$?
8. $\overline{QM} \cong$?
10. $\angle MQN \cong$?
11. $\angle NPO \cong$?

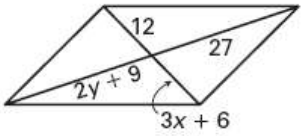
Find the measure in the parallelogram *HIJK*. Explain your reasoning.



12. HI
13. KH
14. GH
15. HJ
16. $m\angle KIH$
17. $m\angle JIH$
18. $m\angle KJI$
19. $m\angle HKI$

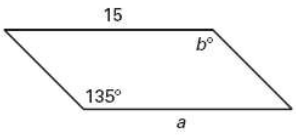
Find the value of each variable in the parallelogram.

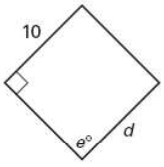
20. 

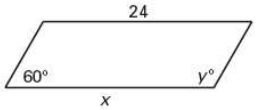
21. 

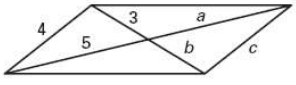
Extra Practice:

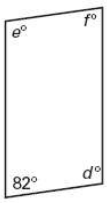
Find the value of each variable in the parallelogram.

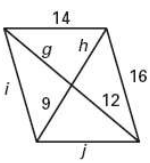
1. 

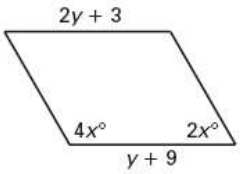
2. 

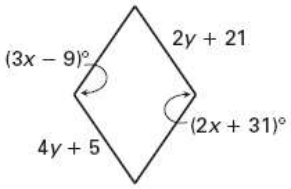
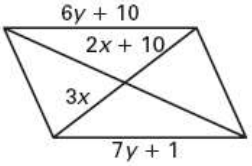
3. 

4. 

5. 

6. 

7. 

8. 

9.