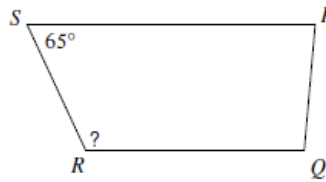Geometry
WS PC #3 Review (7.4 – 7.5)
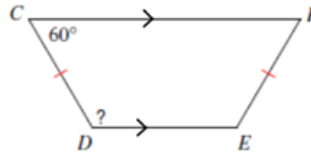
1. Given SPQR is a trapezoid, find $m\angle R$.

2. Find each measure.
    $m\angle F =$_____

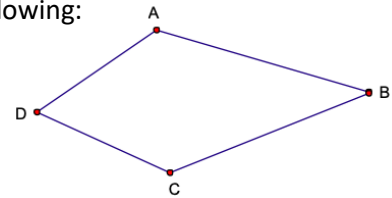 $m\angle D =$_____

    $m\angle E =$_____

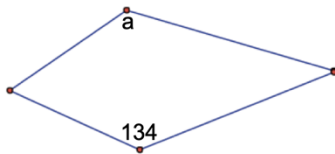3. Polygon $ABCD$ is a kite. If $AB = 12$ and $AD = 4$, find the following:
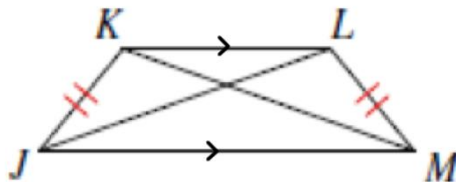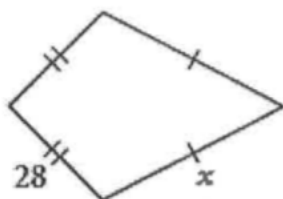
    $BC =$

    $DC =$

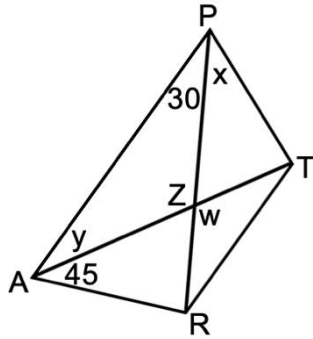   Perimeter of $ABCD =$

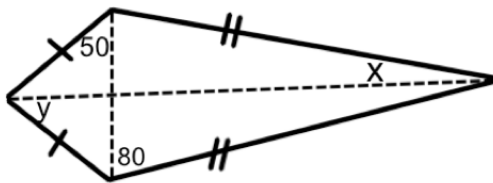4. The figure below is a kite. Find a.

5. If $KM = 22$, find JL.
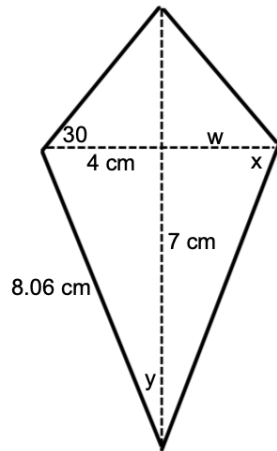
6. The perimeter of the kite is 116 cm. Find x.

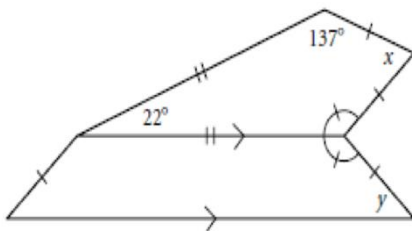7. $ARTP$ is an isosceles trapezoid with $RA = PT$. Find $w, x,$ and y.

8. Find x and y.

9. $FLYE$ is a kite and $FL = LY$. Find $w, x,$ and y.

10. Find x and y.

11. Complete the following chart by putting checks in the boxes that are true.

	4 Sides	Opp. Sides ||	Opp. Sides ≅	All Sides ≅	Opp. Angles ≅	All Angles ≅
1. Parallelogram						
2. Rectangle						
3. Rhombus						
4. Square						

The diagonals ….	bisect each other	are congruent	bisect opposite angles	are perpendicular
5. Parallelogram				
6. Rectangle				
7. Rhombus				
8. Square				

Determine if the statement is true or false.
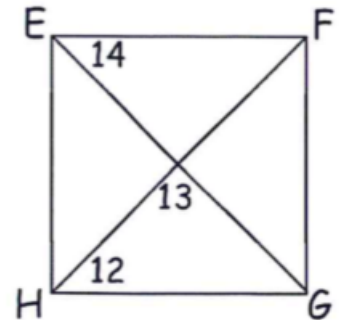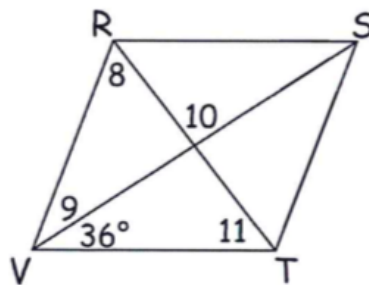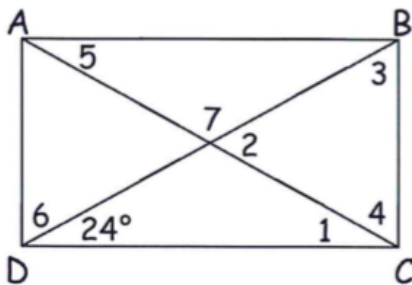
12. _____ All quadrilaterals are parallelograms.

13. _____ All parallelograms are quadrilaterals.

14. _____ A square is a parallelogram.

15. _____ A parallelogram with a right angle is a square.

16. _____ All rectangles are parallelograms.

17. _____ All rhombuses are squares.

18. _____ All squares are rectangles.

19. _____ A parallelogram with four congruent sides is a square.

20. _____ A parallelogram with perpendicular diagonals is a square.

For 21 – 23, find the measure of the numbers angles in the figures.

21. ABCD is a rectangle   22. RSTV is a rhombus   23. EFGH is a square

$m\angle1 =$_____ $m\angle2 =$_____ $m\angle3 =$_____ $m\angle4 =$_____

$m\angle5 =$_____ $m\angle6 =$_____ $m\angle7 =$_____ $m\angle8 =$_____

$m\angle9 =$_____ $m\angle10 =$_____ $m\angle11 =$_____ $m\angle12 =$_____

$m\angle13 =$_____ $m\angle14 =$_____