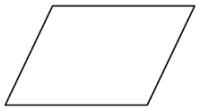
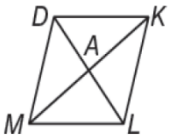
Name _____ Date _____

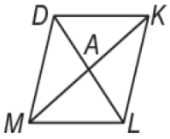
1) ACKJ is a rhombus.
AC=6y+4, CK=5y+8, and KJ=3y+16. Find y.



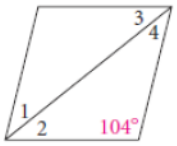
2) DKLM is a rhombus. If DK=8, find KL.



3) DKLM is a rhombus. If DA=4x, AL=5x-3, find DL.

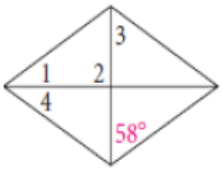


4) In the rhombus, find indicated angle measures.



5) The diagonals of a rhombus are 10 and 24.
Find the length of the side of the rhombus.

6) In the rhombus, find indicated angle measures.

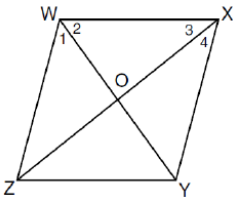


WXYZ is a rhombus. WX=4 and $m\angle WXY = 60$.

1) XY= _____

2) $m\angle ZWX$ =_____

3) $m\angle 1$ =_____



4) $m\angle 2$ =_____

5) $m\angle 3$ =_____

6) $m\angle 4$ =_____

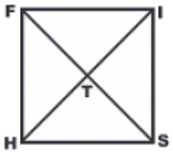
7) WO=_____

8) OX =_____

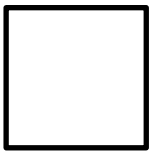
9) WY =_____

All of the following figures are squares.

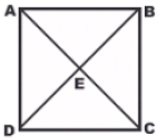
1) FISH is a square with IT=6. Find IH and IS.



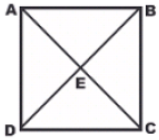
2) If MNOP is a square, what is $m\angle MNP$?



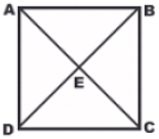
3) If $m\angle AEB = 3x$, find x.



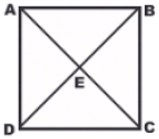
4) If $m\angle BAC = 9x$, find x.



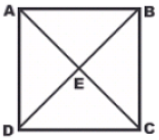
5) If AB=2x+4 and CD=3x-5, find BC and BD.



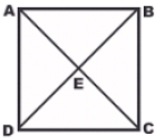
6) The perimeter of the square is 32 cm. Find the length of the diagonal DB.



7) DE=10. Find AD.



8) The area of the square is 16. Find EC.

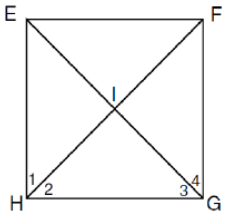


EFGH is a square. EF=10.

1) FG= _____

2) $m\angle EFG$ =_____

3) EG=_____



4) EI=_____

5) IF=_____

6) $m\angle EIF$ =_____

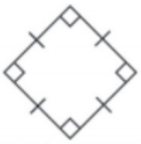
7) $m\angle 1$ =_____

8) $m\angle 3$ =_____

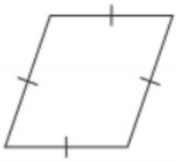
9) HF =_____

Decide whether the parallelogram is a rhombus, rectangle, or a square.

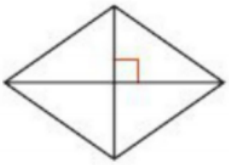
1) 

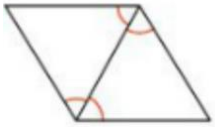
2) 

3) 

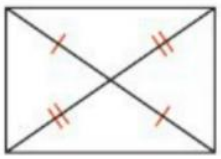
4) 

5) 

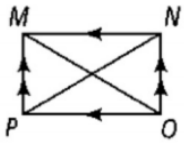
6) 

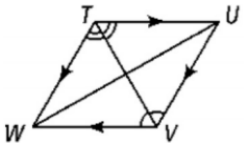
7) 

8) 

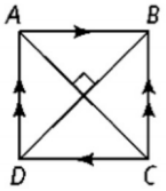
9) 

10) $\overline{MO} \cong \overline{PN}$



11) 

12) $\overline{AC} \cong \overline{BD}$



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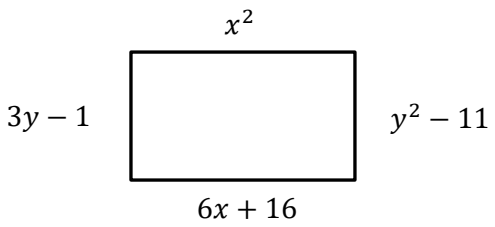
1) Given the rectangle, find x and y.



2) PQRS is a parallelogram. $\angle P = (8y + 2)$, $\angle R = (y^2 - 18)$, $\angle S = 2x^2$. Find all possible values for x and y.

3) FROG is a rhombus whose diagonals intersect at S. $\angle GFO = (5x + 9)$, $\angle GOR = (x^2 - 6)$. Find x.