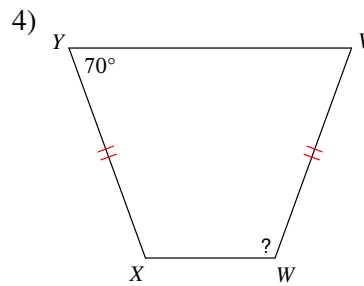
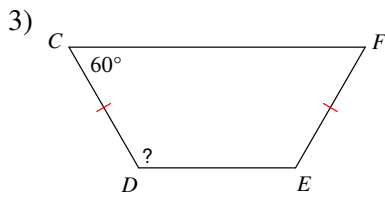
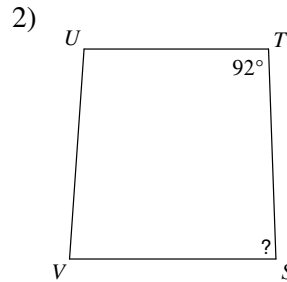
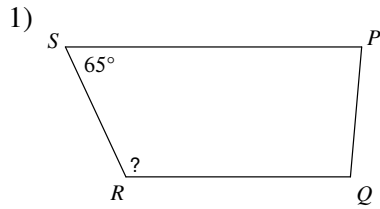


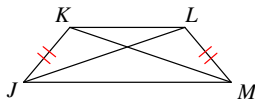
Properties of Trapezoids

Find the length of the angle indicated for each trapezoid.

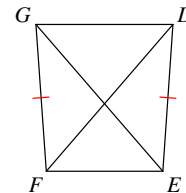


Find the length of the diagonal indicated for each trapezoid.

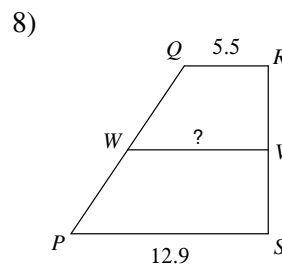
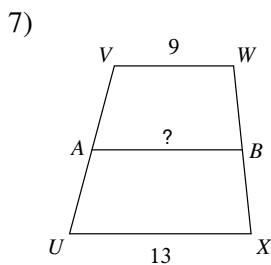
5) $KM = 22$
Find JL



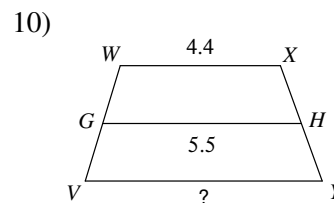
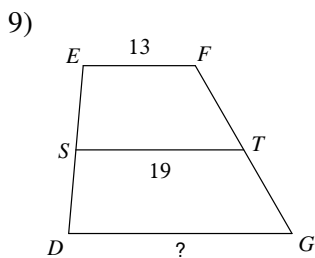
6) $DF = 8.7$
Find EG



Find the length of the median of each trapezoid.

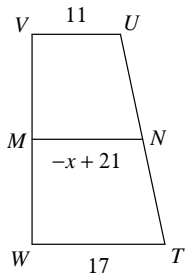


Find the length of the base indicated for each trapezoid.

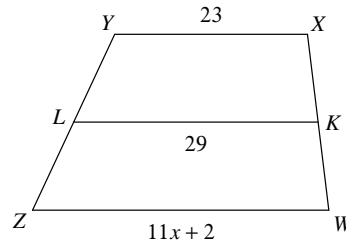


Solve for x . Each figure is a trapezoid.

11)

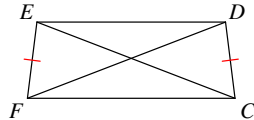


12)

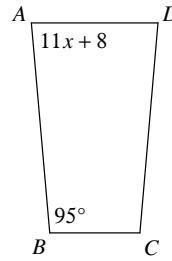


13) $EC = 20$

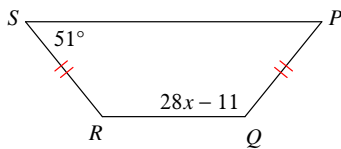
$FD = 5x - 10$



14)

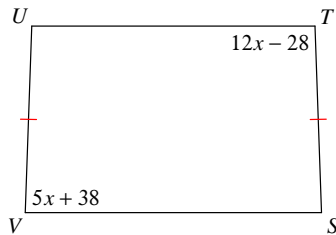


15)

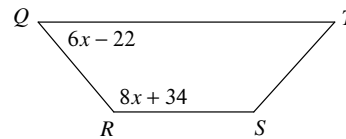


Find the length of the angle indicated for each trapezoid.

16) Find $m\angle V$

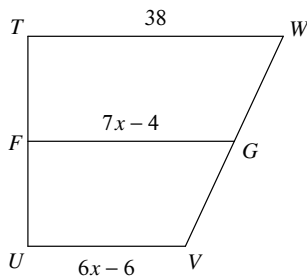


17) Find $m\angle R$



Find the length of the base indicated for each trapezoid.

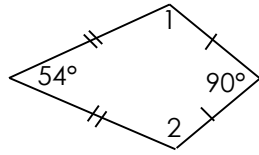
18) Find VU



Properties of Kites

Find the measures of $\angle 1$ and $\angle 2$.

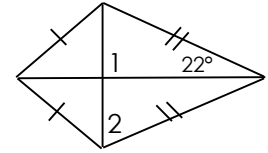
1. $m\angle 1 =$ _____



2. $m\angle 1 =$ _____

3. $m\angle 2 =$ _____

4. $m\angle 2 =$ _____

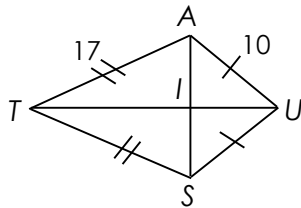


Find UI, IT, and UT, if AS = 16.

5. UI = _____

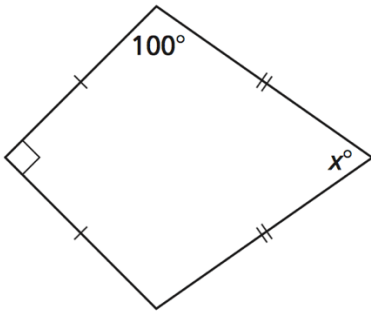
6. IT = _____

7. UT = _____

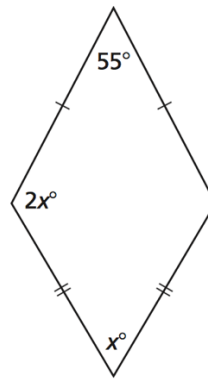


Find x.

8.



9.

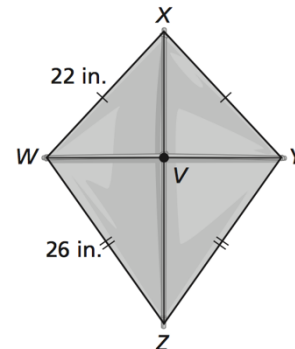


10. The figure shows a window in the shape of a kite.

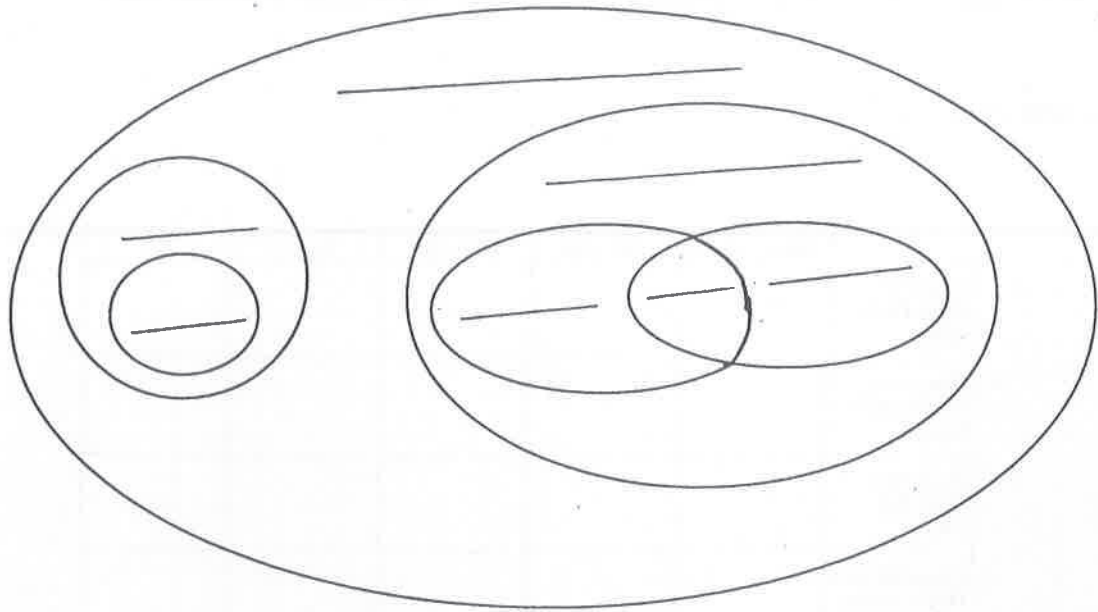
a. Find $m\angle XVW$.

b. Find \overline{XY} .

c. Which angle is congruent to $\angle XYZ$?



Properties of Quadrilaterals



Place the names of the quadrilaterals in the correct order in the Venn diagram above.

isosceles trapezoid
square

parallelogram
quadrilateral

trapezoid
rhombus

rectangle

Use the diagram above to answer the following True/False statements.

- _____ 1. All trapezoids are parallelograms.
- _____ 2. No rectangle is a rhombus.
- _____ 3. All squares are rectangles.
- _____ 4. All parallelograms are quadrilaterals.
- _____ 5. Some isosceles trapezoids are parallelograms.
- _____ 6. All rhombuses are squares.
- _____ 7. All squares are rhombuses.
- _____ 8. No trapezoid is a rectangle.
- _____ 9. Some rectangles are parallelograms.
- _____ 10. All rhombuses are parallelograms.