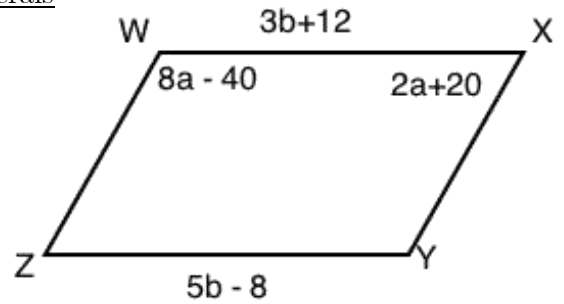


Consider parallelogram WXYZ.

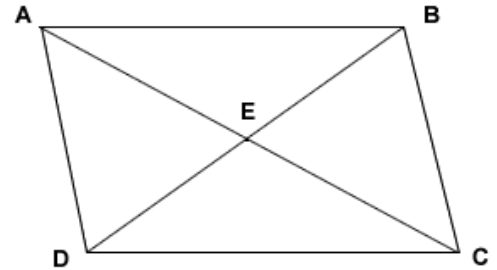
Properties of Quadrilaterals

- Find the measure of $\angle Z$
- Find the length of \overline{ZY}



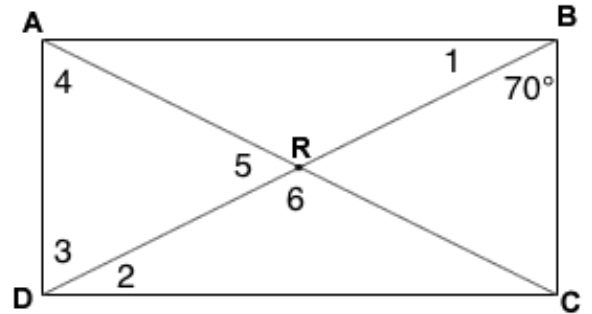
Consider parallelogram ABCD with diagonals intersecting at E.

- If $AC = 12x - 6$, and $AE = 2x + 9$, find the length of EC.



Consider rectangle ABCD for #4-5

- If $AR = 4x - 2$ and $BR = x + 7$, find the length of AC.



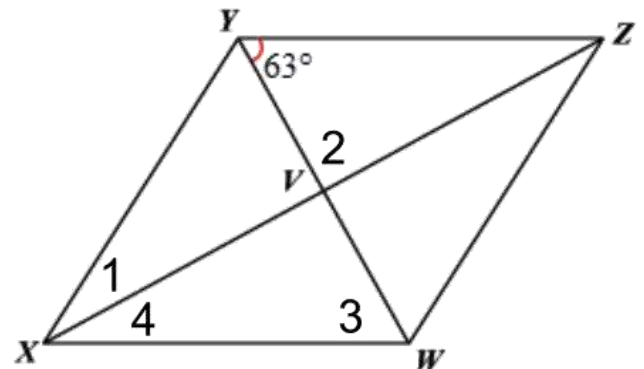
- Find the angle measures:

$\angle 1 =$	$\angle 2 =$	$\angle 3 =$
$\angle 4 =$	$\angle 5 =$	$\angle 6 =$
- True or false (and explain): All squares are rectangles.

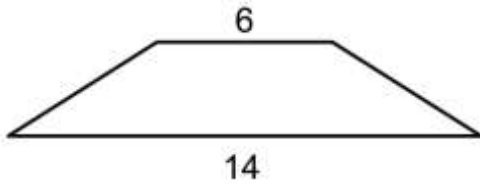
- Consider rhombus WXYZ with diagonals intersecting at V.

Find the angle measures

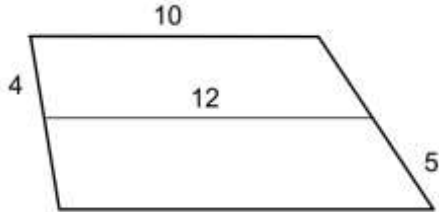
- | | | |
|--------------|----------------|--------------|
| $\angle 1 =$ | $\angle 2 =$ | $\angle 3 =$ |
| $\angle 4 =$ | $\angle XWZ =$ | |



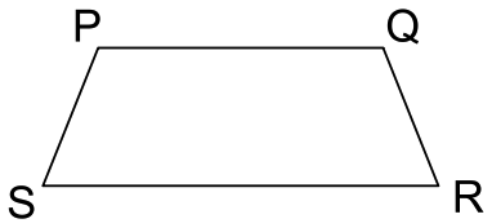
8. Below is an isosceles trapezoid with a perimeter of 30. Find its area.



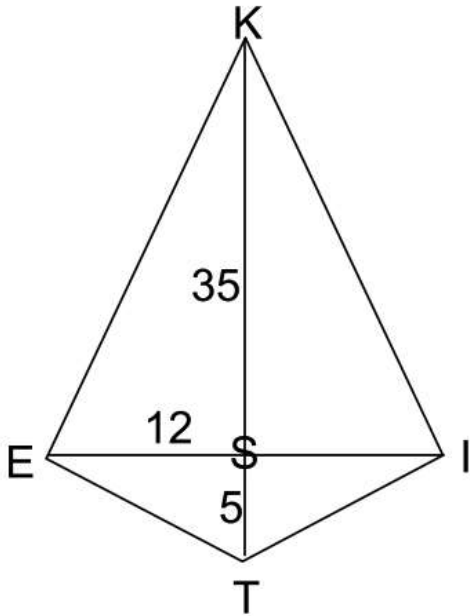
9. Find the perimeter of the trapezoid below if its midsegment measures 12 units.



10. If PQRS is an isosceles trapezoid and $\angle PSR = 83^\circ$, find the measure of the remaining angles.



11. Below is a kite. Find the area and the perimeter.



12. Referring to the same kite, if $\angle SKE = 19^\circ$, and $\angle SIT = 23^\circ$, find the measures of $\angle KET$ and $\angle ITE$.