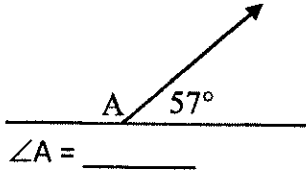


Review for mini test

Name _____

- Calculate the missing measure in each problem.
- Justify and explain your reasoning

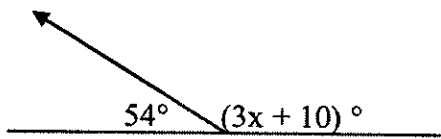
a)



Calculate:

Justify:

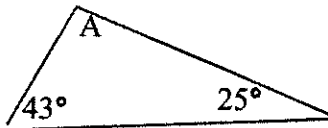
b)



Calculate:

Justify:

c)

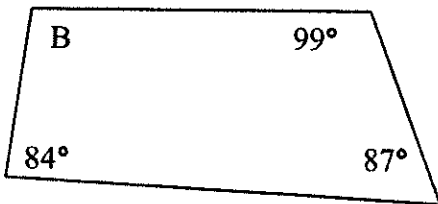


Calculate:

Justify:

$\angle A = \underline{\hspace{2cm}}$

d)



Calculate:

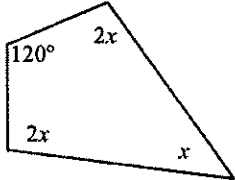
Justify:

$\angle B = \underline{\hspace{2cm}}$

For each diagram:

- Write and solve an equation that will help you solve for x .
- Justify your equation with a conjecture or theorem.
- Use x to calculate the angle measures.

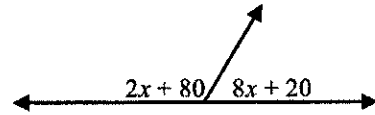
Example:



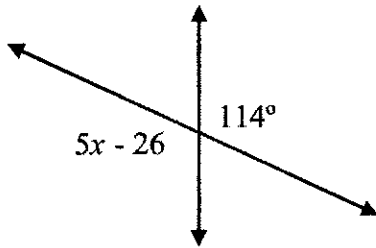
$2x + 2x + x + 120 = 360$ because the angles in a quadrilateral add up to 360° .

Now I would use my algebra skills to solve for x .

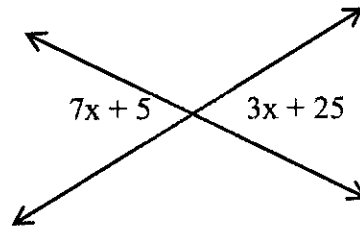
3.



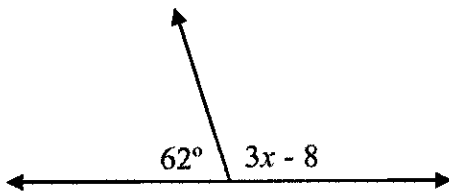
1.



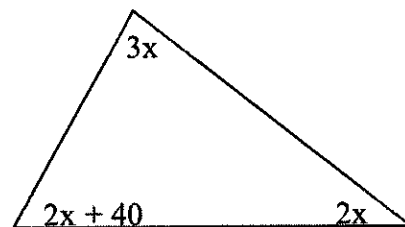
4.



2.



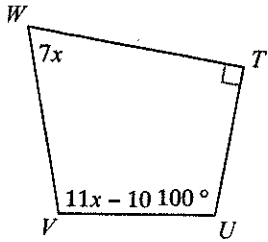
5.



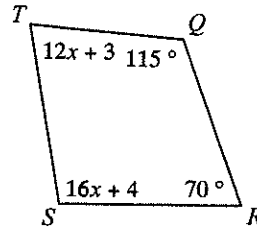
Assignment

Find the measure of each angle indicated.

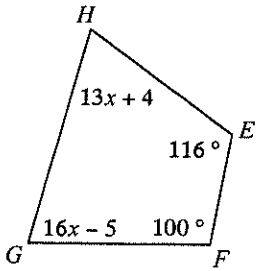
1) $m\angle W$



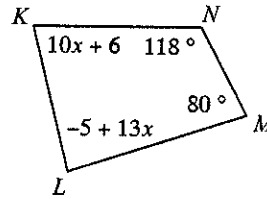
2) $m\angle T$



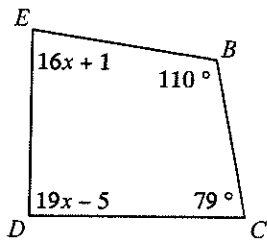
3) $m\angle H$



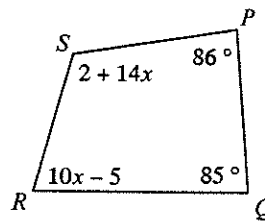
4) $m\angle L$



5) $m\angle D$

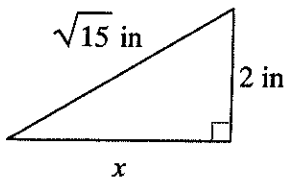


6) $m\angle R$

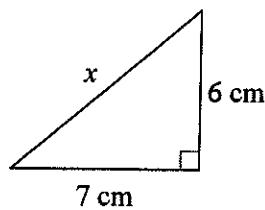


Find the missing side of each triangle. Leave your answers in simplest radical form.

7)



8)



Solve for x . Each figure is a parallelogram.

