MATH QUIZ – EIGHTH GRADE

Name: _____

Date: _____

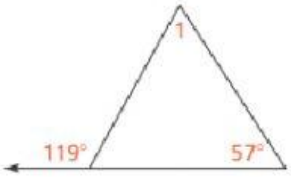
1. Leveled Practice For the figure shown, find $m\angle 1$.

$\angle 1$ is a _____ of the 119° angle.

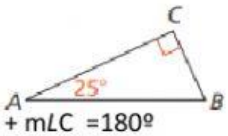
The 119° angle is equal to the sum of its _____.

So, $m\angle 1$ = _____ − _____.

$m\angle 1$ = _____



2. Find $m\angle B$ for the triangle shown.



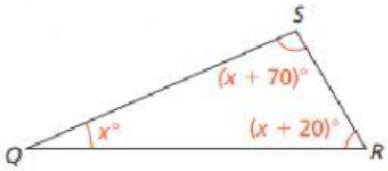
m∠A + m∠B + m∠C =180º

_____ + m∠B + _____ = 180º

m∠B = 180 - _____ - _____

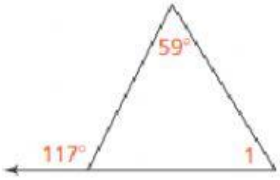
m∠B =_____º

3. Find $m\angle R$.

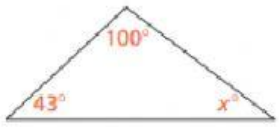


m∠R =_____º

4. Reasoning Can you find the $m\angle 1$ without using remote interior angles? Explain. MP.2



5. Find the value of x in the triangle.



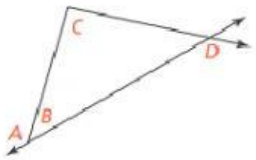
43º + 100º + xº =180º

xº = 180º – (43º + 100º)

x =_____º

LIVEWORKSHEETS

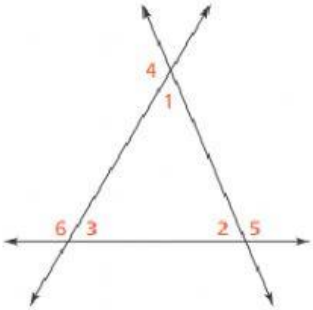
6. Higher Order Thinking Given that $m\angle A = (16x)°$, $m\angle C = (8x + 20)°$, and $m\angle D = 128°$, what is $m\angle B$?



m∠B = _____º

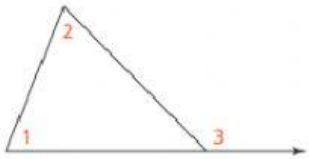
Assessment Practice

7. What are the remote interior angles for ∠6? Select all that apply.



- ☐ ∠1
- ☐ ∠2
- ☐ ∠3
- ☐ ∠4
- ☐ ∠5

8. In the figure, $m\angle 1 = (5x + 11)°$, $m\angle 2 = (3x + 22)°$, and $m\angle 3 = (9x + 28)°$.



PART A

Which equation could you use to find $m\angle 1$?

Ⓐ $m\angle 1 + m\angle 2 + m\angle 3 = 90°$

Ⓑ $m\angle 1 + m\angle 2 + m\angle 3 = 180°$

Ⓒ $m\angle 1 - m\angle 2 = m\angle 3$

Ⓓ $m\angle 1 + m\angle 2 = m\angle 3$

PART B

What is $m\angle 1$? Explain your reasoning.

LIVEWORKSHEETS