

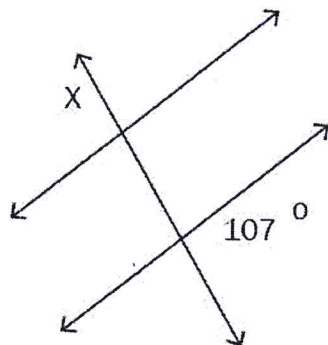
Identifying Angle Pairs Worksheet

Name: _____ Class: _____ Date: _____

For each of the following diagrams, find the value for X and explain what the pattern in – please refer to your worksheets and the vocabulary sheets – Please note the correction on Corresponding Angles on the Answer sheet.

Find the value of x.

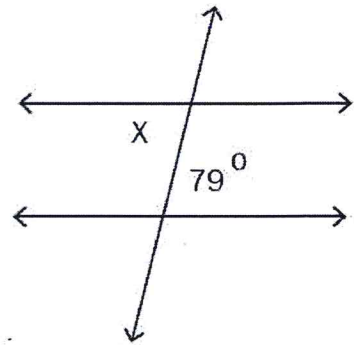
1)



X = _____

Because _____

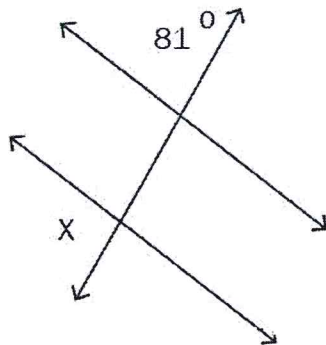
2)



X = _____

Because _____

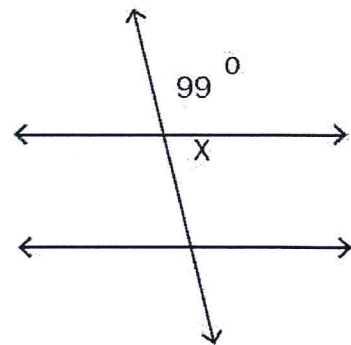
3)



X = _____

Because _____

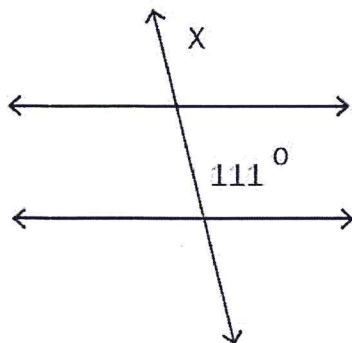
4)



X = _____

Because: _____

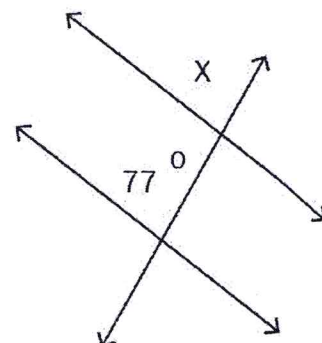
5)



X = _____

Because _____

6)



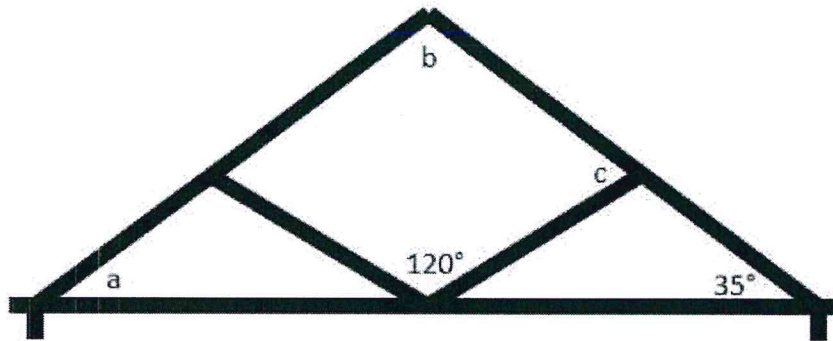
X = _____

Because: _____

Name: _____ Class: _____ Date: _____

For each of the following diagrams, read the description carefully and then use line/angle reasoning to find the missing angel Explain and then do any math necessary in the next box.

Finding Angles: Example 1



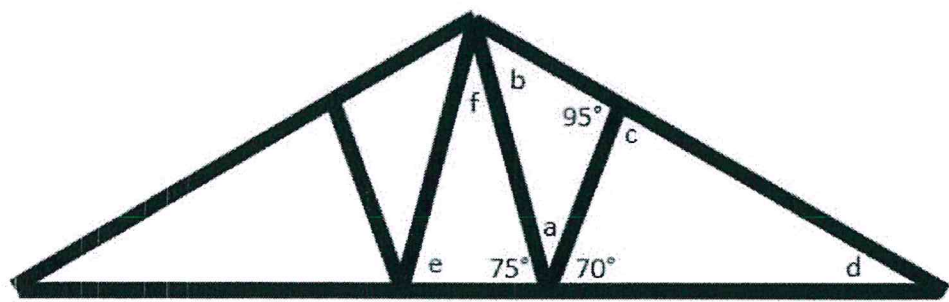
What are the measures of the angles located at positions a, b, & c? Note: the figure is symmetrical on the vertical through angle b.

REASONING/EXPLANATION

MATH

∠a	
∠b	
∠c	

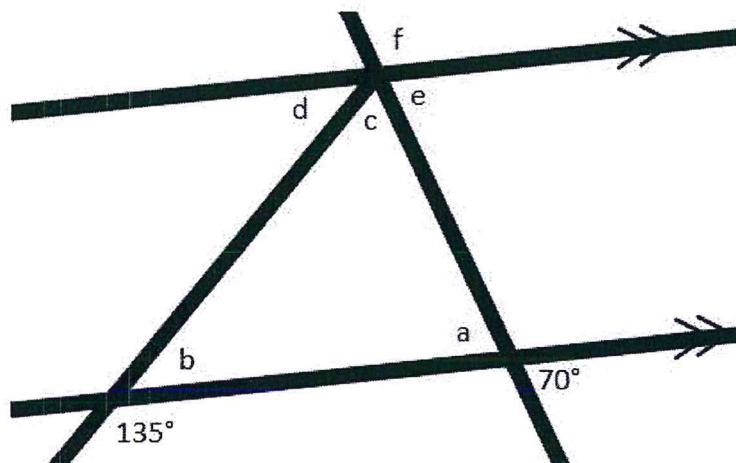
Finding Angles: Example 2



What are the measures of the angles located at positions a, b, c, d, e, & f? Note: the figure is symmetrical on the vertical through angle f.

REASONING/EXPLANATION	MATH
∠a	
∠b	
∠c	
∠d	
∠e	

Finding Angles: Example 3



What are the measures of the angles located at positions a, b, c, d, e, & f?

REASONING/EXPLANATION

MATH

$\angle a$	
$\angle b$	
$\angle c$	
$\angle d$	
$\angle e$	
$\angle f$	