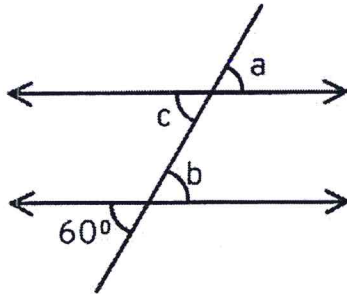


Grade 78 Math **Finding the missing angle Practice with Patterns 1**

Name: _____ Class: _____ Date: _____

For each of the diagrams, find the missing angles and name the pattern name to explain how you got it.

(i)

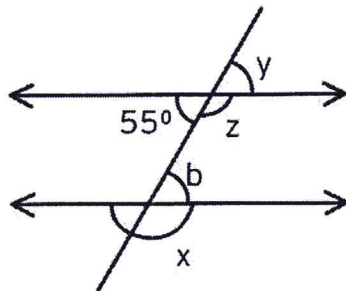


$\angle a =$ _____ because _____

$\angle b =$ _____ because _____

$\angle c =$ _____ because _____

(ii)



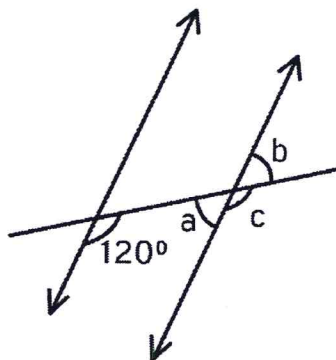
$\angle b =$ _____

$\angle x =$ _____

$\angle y =$ _____

$\angle z =$ _____

(iii)

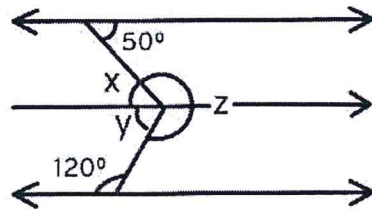


$\angle a =$ _____

$\angle b =$ _____

$\angle c =$ _____

(iv)

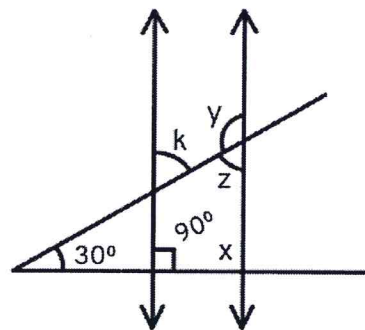


$\angle x$

$\angle y$

$\angle z$

(v)



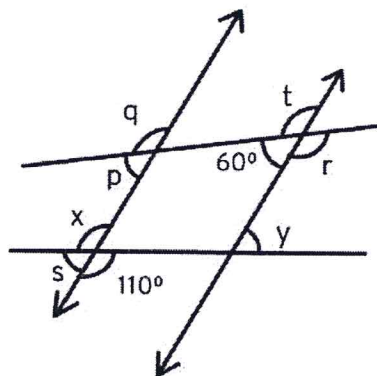
$\angle k$

$\angle x$

$\angle y$

$\angle z$

(vi)



$\angle p$

$\angle q$

$\angle r$

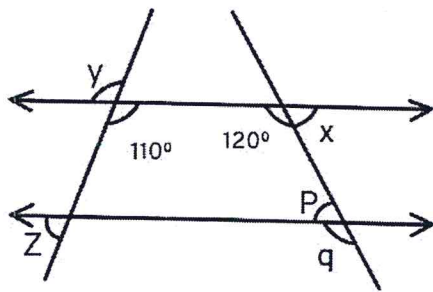
$\angle s$

$\angle t$

$\angle x$

$\angle y$

(vii)



$\angle P$

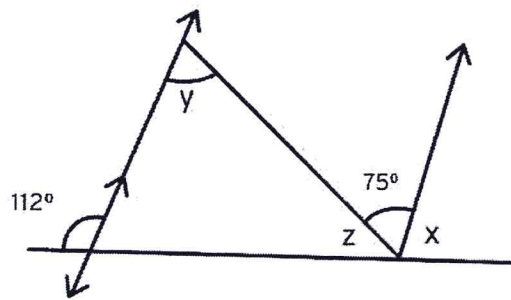
$\angle q$

$\angle x$

$\angle y$

$\angle z$

(viii)

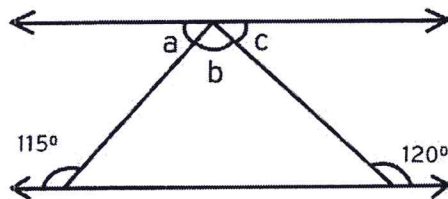


$\angle x$

$\angle y$

$\angle z$

(ix)

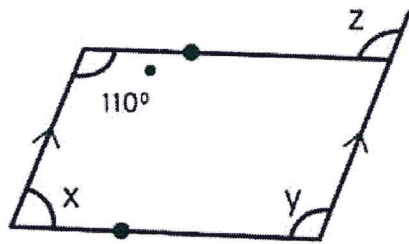


$\angle a$

$\angle b$

$\angle c$

(x)

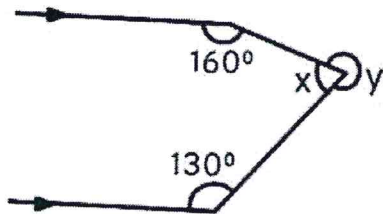


$\angle x$

$\angle y$

$\angle z$

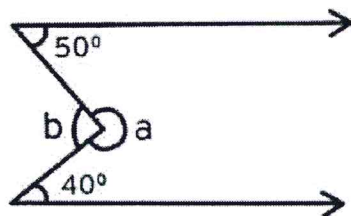
(xi)



$\angle x$

$\angle y$

(xii)



$\angle a$

$\angle b$