

HW 7-2

Int 1

Parallel Lines & Transversals – DAY 2

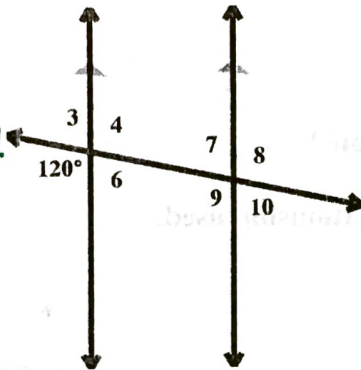
Unit 7

Find the indicated angle measure. Name the angles AND relationship used. (There may NOT be enough information to find the value.)

1) $m\angle 6 = 60^\circ$

 $\angle 6$ & 120° are

Supplementary



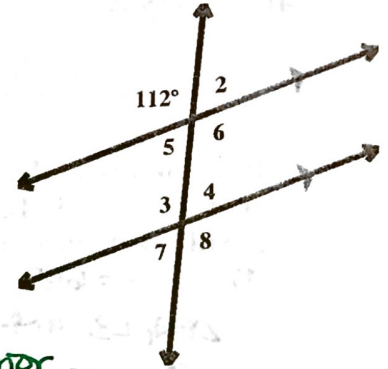
2) $m\angle 7$

3) $m\angle 10 = 60^\circ$

corresponds with $\angle 6$

4) $m\angle 5$

5) $m\angle 8 = 112^\circ$

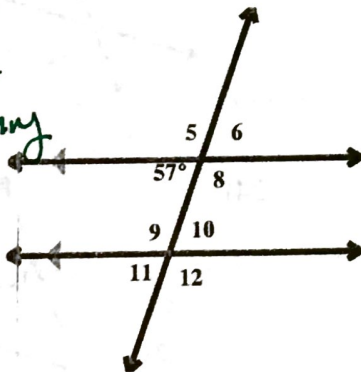
Alternate Exterior
with 112° 

6) $m\angle 3$

7) $m\angle 8 = 123^\circ$

 $\angle 8$ & 57° are

Supplementary



8) $m\angle 10$

9) $m\angle 11 = 57^\circ$

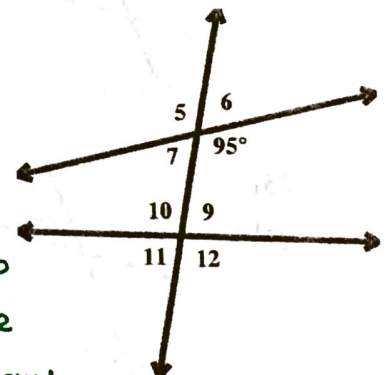
corresponds with 57°

10) $m\angle 10$

11) $m\angle 6 = 85^\circ$

 $\angle 6$ & 95° are

Supplementary

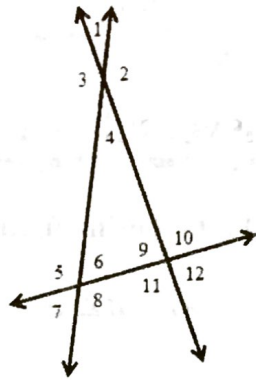


12) $m\angle 9$

Classify each pair of angles as *alternate interior*, *alternate exterior*, *corresponding*, *vertical*, *supplementary*, or *neither*.

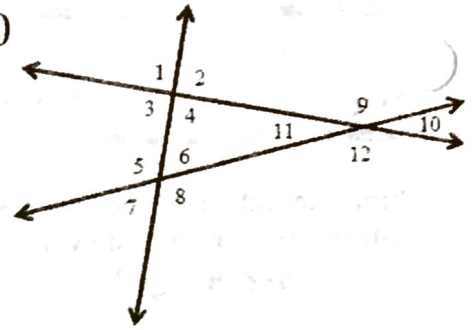
13) $\angle 3$ & $\angle 4$

Supplementary



15) $\angle 5$ & $\angle 10$

Alternate Exterior



14) $\angle 4$ & $\angle 5$

16) $\angle 1$ & $\angle 9$

In the figure at the right, line m and line n are parallel.

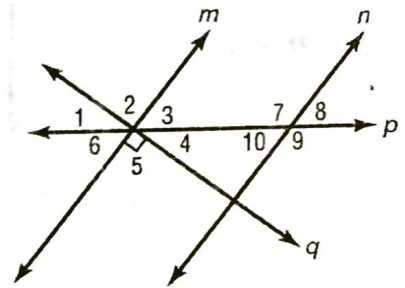
If $m\angle 3 = 64^\circ$, find each given angle measure.

Justify each answer by naming the angles AND relationship used.

17) $m\angle 8 = 64^\circ$

$\angle 8$ & $\angle 3$ are corresponding

18) $m\angle 10$



19) $m\angle 4 = 26^\circ$

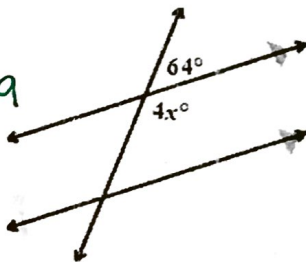
$\angle 3, \angle 4$ & $\angle 5$ are supplementary

20) $m\angle 6$

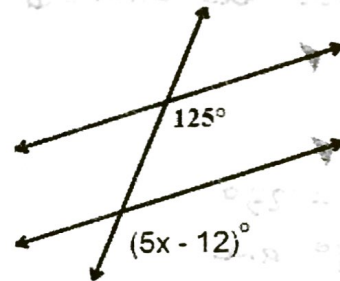
Find the value of x .

21)

$x = 29$

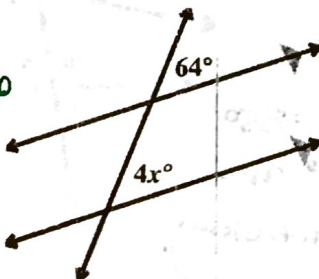


22)

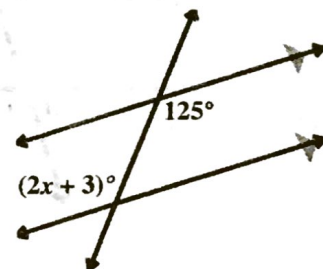


23)

$x = 16$



24)



25) Find the value of y .

$y = 36$

26) Find the value of z .

