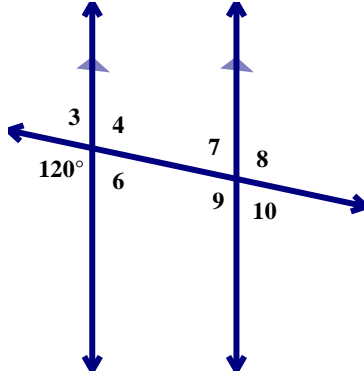


HW 7-2: More Parallel Lines & Transversals

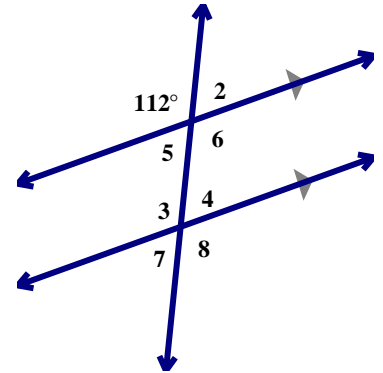
Find the indicated angle measure. Name the angles AND relationship used. (There may NOT be enough information to find the value.)

1) $m\angle 6$



2) $m\angle 7$

4) $m\angle 5$

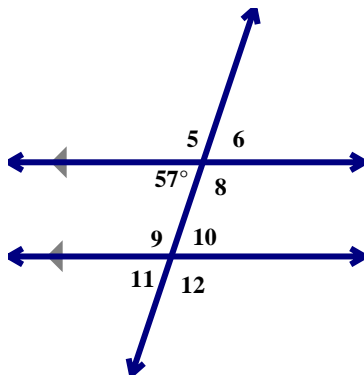


5) $m\angle 8$

3) $m\angle 10$

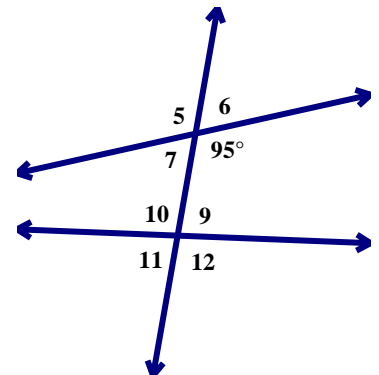
6) $m\angle 3$

7) $m\angle 8$



10) $m\angle 10$

8) $m\angle 10$



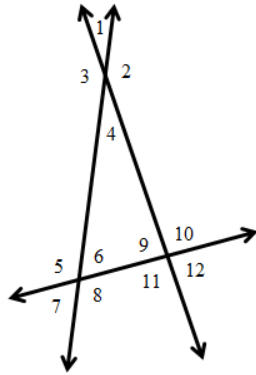
11) $m\angle 6$

9) $m\angle 11$

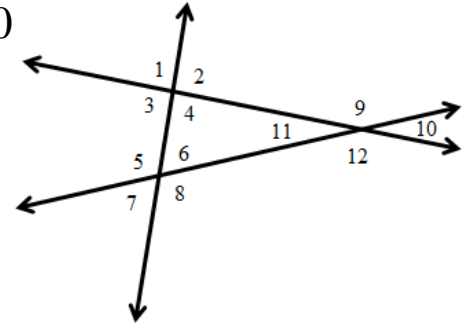
12) $m\angle 9$

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

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



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



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.

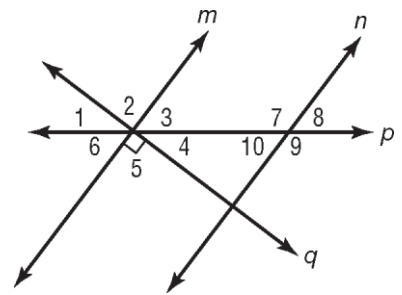
Justify each answer by naming the angles AND relationship used.

17) $m\angle 8$

18) $m\angle 10$

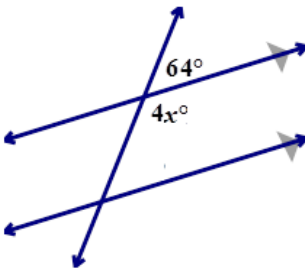
19) $m\angle 4$

20) $m\angle 6$

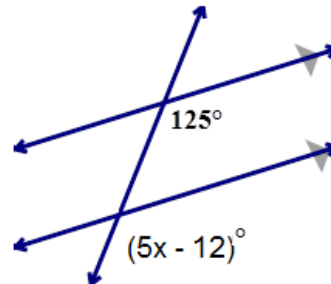


Find the value of x .

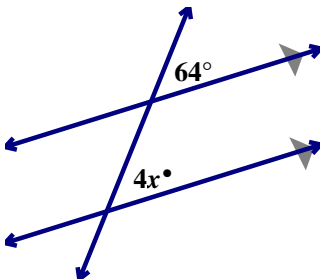
21)



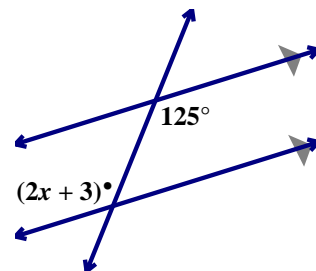
22)



23)



24)



25) Find the value of y .

26) Find the value of z .

