

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Score: \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_ % = \_\_\_\_\_

## HW 7-2

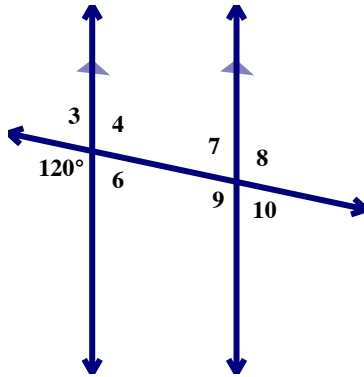
### Int 1

### Parallel Lines & Transversals – DAY 2

### Unit 7

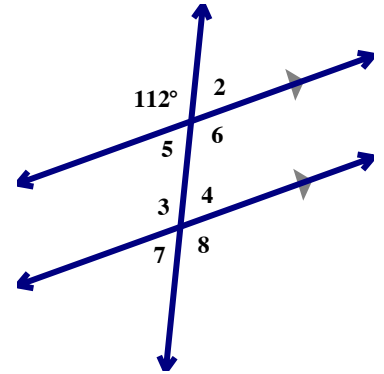
Find the indicated angle measure. Name the angles AND relationship used. (There may NOT be enough information to find the value.)

1)  $m\angle 6$



2)  $m\angle 7$

4)  $m\angle 5$

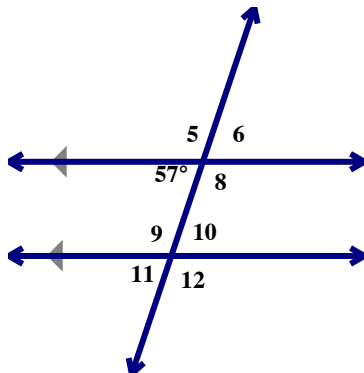


5)  $m\angle 8$

3)  $m\angle 10$

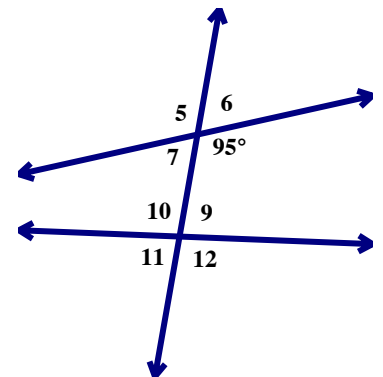
6)  $m\angle 3$

7)  $m\angle 8$



8)  $m\angle 10$

10)  $m\angle 10$



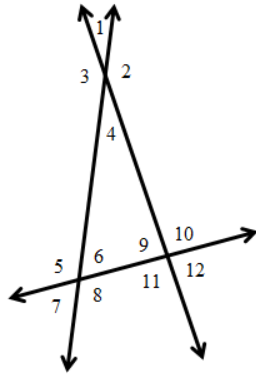
11)  $m\angle 6$

9)  $m\angle 11$

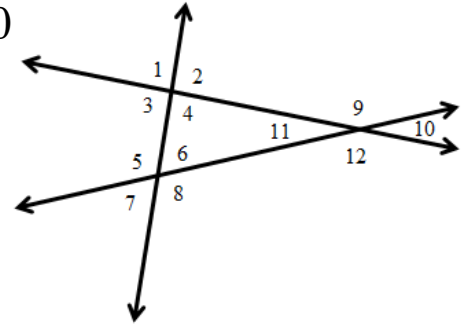
12)  $m\angle 9$

Classify each pair of angles as *alternate interior*, *alternate exterior*, *corresponding*, *vertical*, *supplementary*, 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.

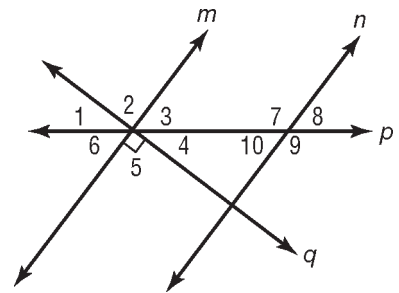
Justify each answer by naming the angles AND relationship used.

17)  $m\angle 8$

18)  $m\angle 10$

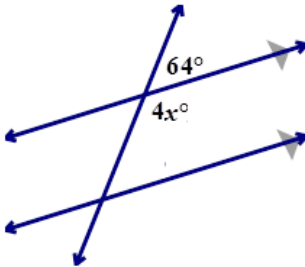
19)  $m\angle 4$

20)  $m\angle 6$

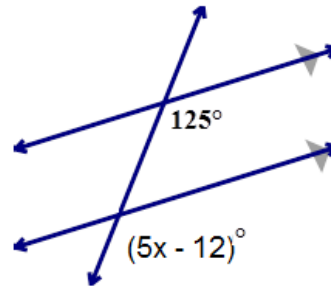


Find the value of  $x$ .

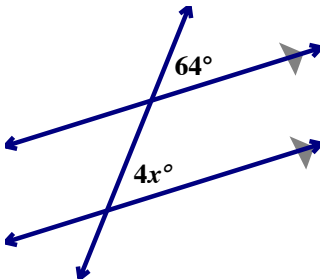
21)



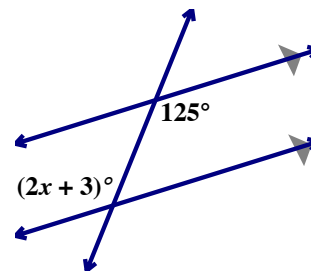
22)



23)



24)



25) Find the value of  $y$ .

26) Find the value of  $z$ .

