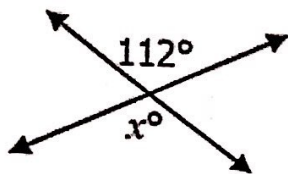


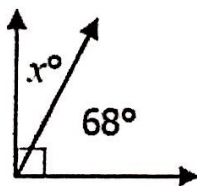
# Finding Angle Measures

Directions: Find the missing measure in each figure. Keep angle relationships in mind.

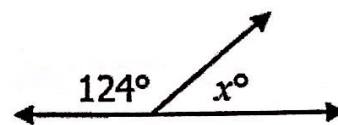
1.



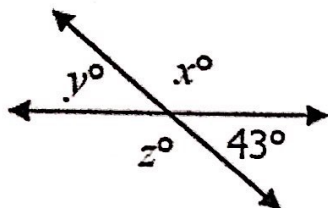
2.



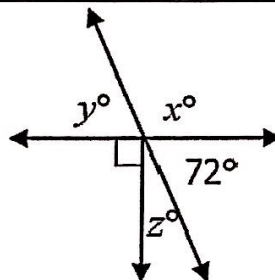
3.



4.



5.



5.  $\angle 1$  and  $\angle 2$  are vertical angles. If the measure of  $\angle 2$  is  $105^\circ$ , find the measure of  $\angle 1$ .

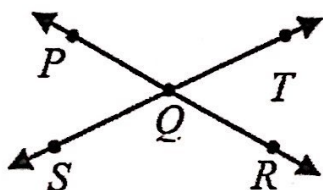
6.  $\angle A$  and  $\angle B$  are complementary angles. If the measure of  $\angle A$  is  $42^\circ$ , find the measure of  $\angle B$ .

7.  $\angle P$  and  $\angle Q$  are supplementary angles. If the measure of  $\angle Q$  is  $64^\circ$ , find the measure of  $\angle P$ .

8.  $\angle 1$  and  $\angle 2$  are a linear pair. If the measure of  $\angle 1$  is  $113^\circ$ , find the measure of  $\angle 2$ .

## Using Algebra to Solve for Missing Measures

9. If  $m\angle PQT = 3x + 47$  and  $m\angle SQR = 6x - 25$ , find the measure of  $\angle SQR$ .



10. If  $m\angle KNM = 8x - 5$  and  $m\angle MNJ = 4x - 19$ , find the measure of  $\angle KNM$ .

