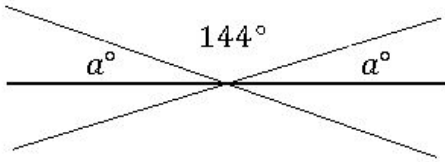


Using Algebra to Find Missing Angle Measures

NAME _____

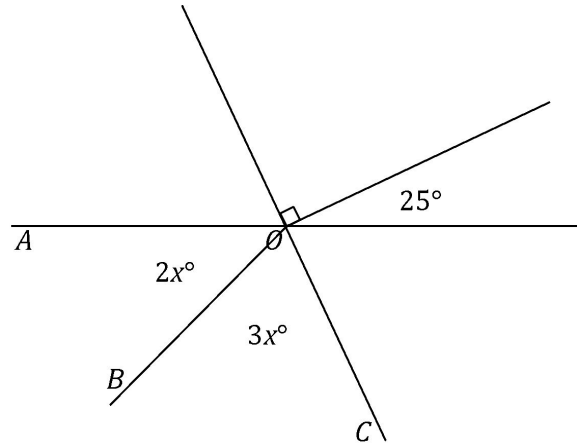
Write an equation to find the missing angle measures.

1.



$xr = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2.



$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$

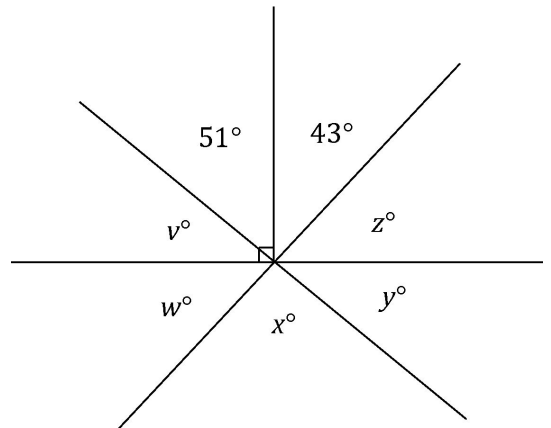
3. Three lines meet at a point that is also the endpoint of a ray. Set up and solve an equation to find the value of each variable in the diagram.

$V = \underline{\hspace{2cm}}$

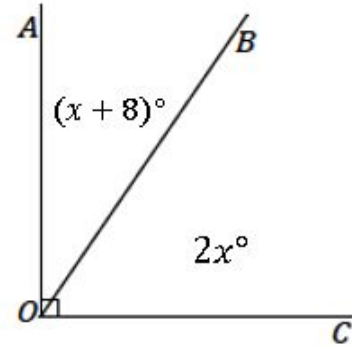
$W = \underline{\hspace{2cm}}$

$X = \underline{\hspace{2cm}}$

$Y = \underline{\hspace{2cm}}$

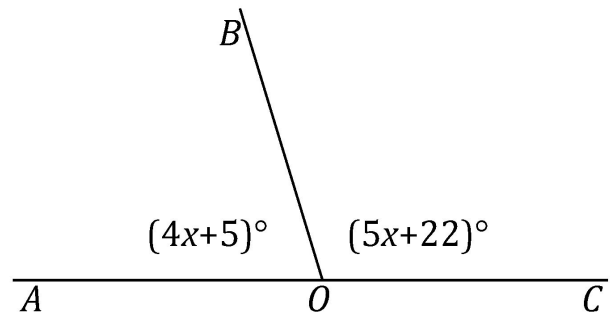


4. Set up and solve an equation to find the value of x . Find the measurement of $\angle AOB$ and of $\angle BOC$.



$\angle AOB =$ _____ $\angle BOC =$ _____

5. Set up and solve an equation to find the value of x . Find the measurement of $\angle AOB$ and of $\angle BOC$.



$\angle AOB =$ _____ $\angle BOC =$ _____

6. Write a verbal problem that models the following diagram. Then, solve for the two angles.

