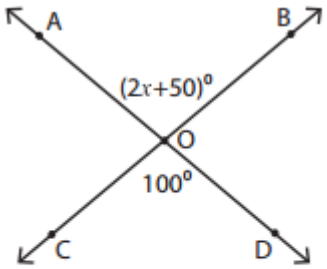
T3-12 Number _____ Name _____ Period_____

Find the value of x and the missing angle measure.

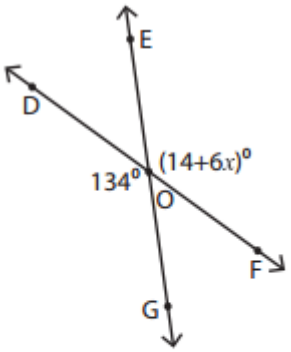
1)



$x =$ _____

$\angle BOD =$ _____

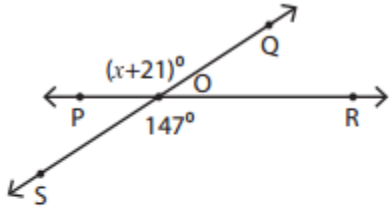
2)



$x =$ _____

$\angle GOF =$ _____

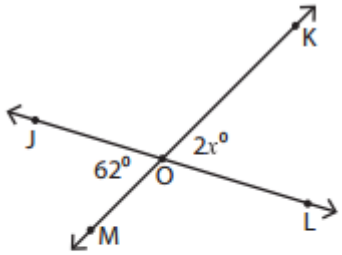
3)



$x =$ _____

$\angle POS =$ _____

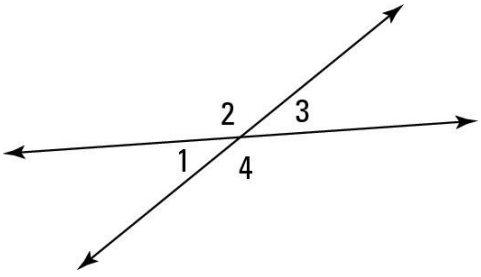
4)



$x =$ _____

$\angle MOL =$ _____

5) When two lines intersect, as shown in the picture below, can you find all of the missing angle measures if you know at least one angle measure? Explain how you know.



6) In the picture above, if $m\angle 1 = 36°$, find the measure of angles 2, 3, and 4.

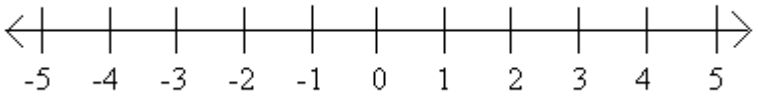
$m\angle 2 =$ _____

$m\angle 3 =$ _____

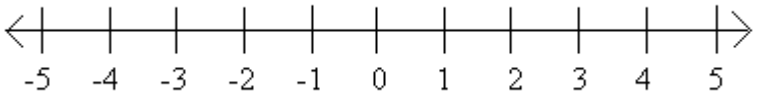
$m\angle 4 =$ _____

For questions 7-8 graph the inequalities on the number line provided.

7) $x \leq 3$

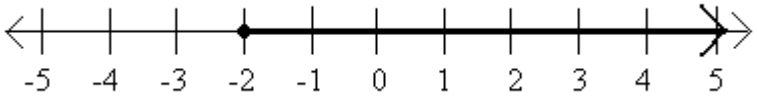


8) $x > -4$



For questions 9-10, write the inequality that matches the graph.

9) Inequality: _____



10) Inequality: _____