

Name: _____

Date: _____

Review Sheet

Practice Problem Set

For #'s 1 - 4, use the picture to the right. $m \parallel n$

1. Name two pairs of alternate exterior angles. _____

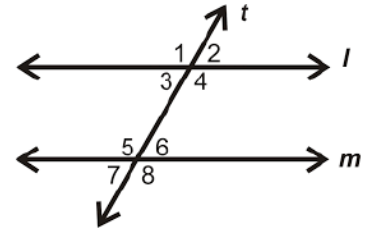
2. Name four pairs of corresponding angles. _____

3. Name two pairs of alternate interior angles. _____

4. If the measure $\angle 1 = 137^\circ$, find the measures of the remaining angles:

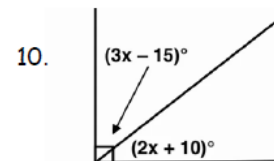
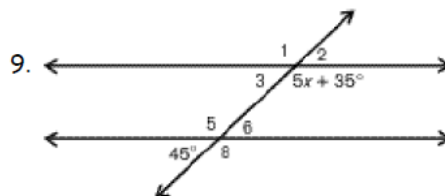
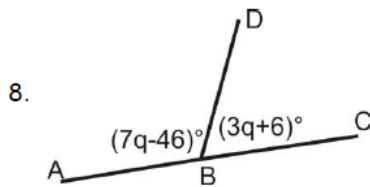
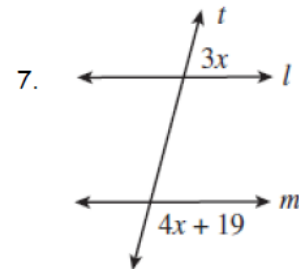
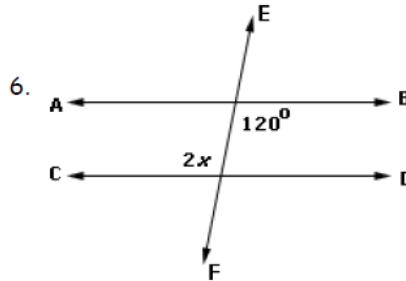
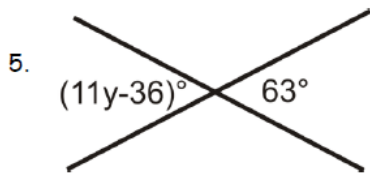
$m \angle 2$ _____ $m \angle 3$ _____ $m \angle 4$ _____ $m \angle 5$ _____

$m \angle 6$ _____ $m \angle 7$ _____ $m \angle 8$ _____

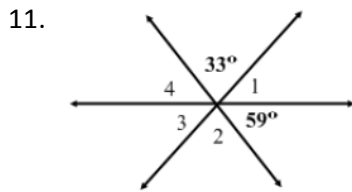


picture is not drawn to scale

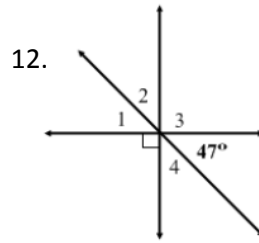
For #'s 5-10, find the value of the variable and the angle(s) represented by the algebraic expression(s). Note: All non-intersecting lines are parallel. Pictures are not drawn to scale.



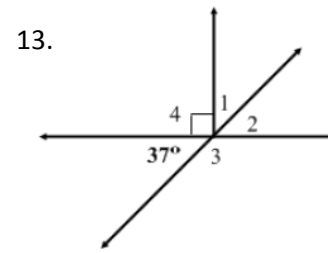
Find the missing angles.



$m\angle 1$ _____
 $m\angle 2$ _____
 $m\angle 3$ _____
 $m\angle 4$ _____

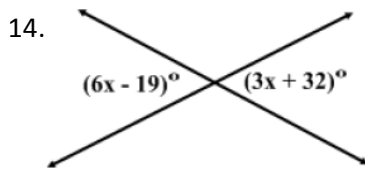


$m\angle 1$ _____
 $m\angle 2$ _____
 $m\angle 3$ _____
 $m\angle 4$ _____

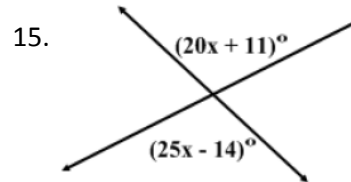


$m\angle 1$ _____
 $m\angle 2$ _____
 $m\angle 3$ _____
 $m\angle 4$ _____

Write an equation and solve for x . Then find the measure of the missing angles.



$X =$ _____
 $m\angle 1 =$ _____



$X =$ _____
 $m\angle 1 =$ _____

For each word problem below, define all unknowns algebraically and set up an equation that represent the relationship described. Solve the problem using your equation.

16. In a pair of complementary angles, the measurement of the larger angle is three times that of the smaller angle. Find the measurements of the two angles.
17. The measure of the supplement of an angle is 6 degrees more than twice the measure of the angle. Find the two angles.
18. The ratio of the measurement of an angle to its complement is 1:2. Find the angle and its complement.

Fill in the blank with the correct word or words.

19. Vertical angles are _____.
20. Angles that share a vertex and a common side are _____ angles.
21. The measures of complementary angles add up to _____.
22. The measures of supplementary angles add up to _____.
23. Two adjacent angles that make a straight line are called _____.

Complete the chart with the correct angle measures.

	Angle	Complement	Supplement	Vertical
24.	43°			
25.		51°		
26.			162°	
27.				13°