

Name: _____

Chapter 1
Worksheet

Please fill in the blank with correct word or words.

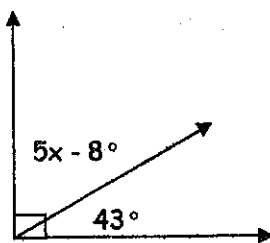
1. Vertical angles are _____.
2. Angles that share a vertex and a common side are _____ angles.
3. The measures of complementary angles add up to _____.
4. The measures of supplementary angles add up to _____.
5. Two adjacent angles that make a straight line are called a _____.

Please complete the chart with the correct angle measures.

	Angle	Complement	Supplement	Vertical
6.	43°			
7.		51°		
8.			162°	
9.				13°

Please solve for x. Then, circle whether each angle pair is complementary or supplementary.

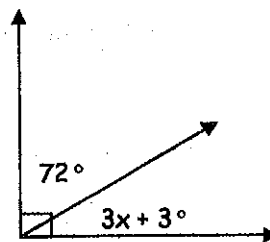
10.



$x =$ _____

Complementary Supplementary

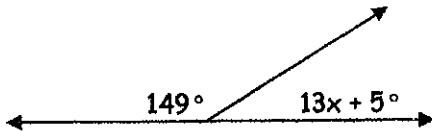
11.



$x =$ _____

Complementary Supplementary

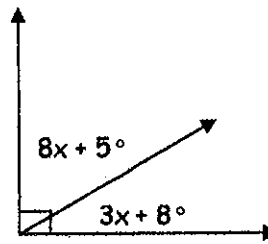
12.



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

Complementary Supplementary

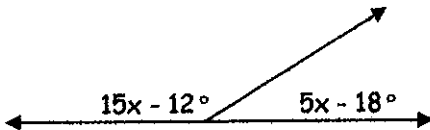
13.



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

Complementary Supplementary

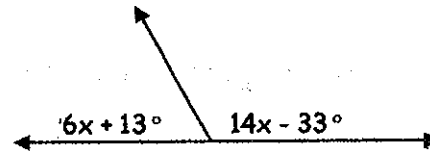
14.



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

Complementary Supplementary

15.



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

Complementary Supplementary

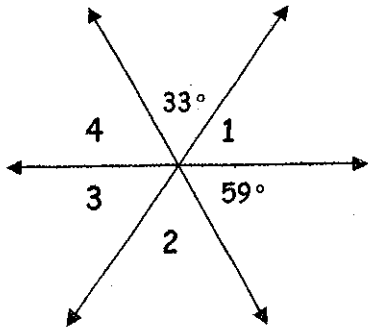
Please find the measures of the missing angles. Draw a picture to help organize your thoughts.

16. The $m\angle A$ is complementary to the $m\angle B$. The $m\angle C$ is complementary to the $m\angle B$. If $m\angle A = 62^\circ$, what is the $m\angle B$ and the $m\angle C$?

17. The $m\angle D$ is supplementary to the $m\angle E$. The $m\angle F$ is supplementary to the $m\angle E$. If $m\angle F = 113^\circ$, what is the $m\angle D$ and the $m\angle E$?

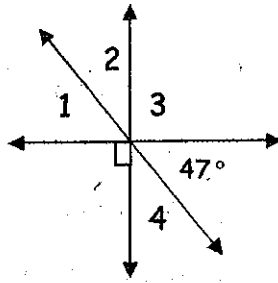
Please solve for the missing angles.

18.



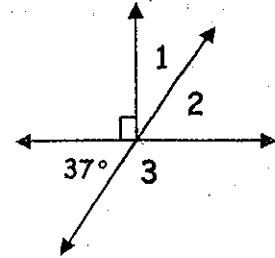
- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\angle 2 = \underline{\hspace{2cm}}$
- $m\angle 3 = \underline{\hspace{2cm}}$
- $m\angle 4 = \underline{\hspace{2cm}}$

19.



- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\angle 2 = \underline{\hspace{2cm}}$
- $m\angle 3 = \underline{\hspace{2cm}}$
- $m\angle 4 = \underline{\hspace{2cm}}$

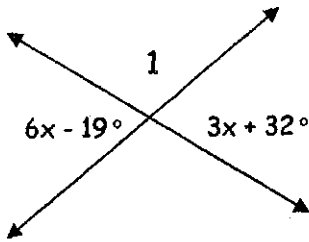
20.



- $m\angle 1 = \underline{\hspace{2cm}}$
- $m\angle 2 = \underline{\hspace{2cm}}$
- $m\angle 3 = \underline{\hspace{2cm}}$

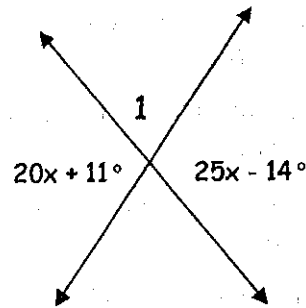
Please solve for x and find the $m\angle 1$.

21.



- $x = \underline{\hspace{2cm}}$
- $m\angle 1 = \underline{\hspace{2cm}}$

22.



- $x = \underline{\hspace{2cm}}$
- $m\angle 1 = \underline{\hspace{2cm}}$