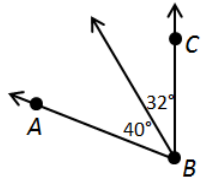


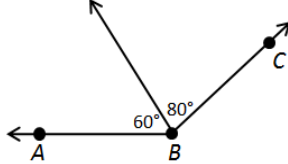
Angles, Angles, Everywhere!

Find the measure of $\angle ABC$.

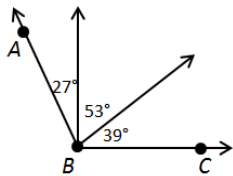
1. $m\angle ABC =$ _____



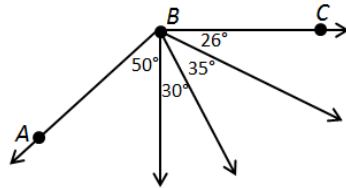
2. $m\angle ABC =$ _____



3. $m\angle ABC =$ _____

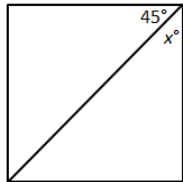


4. $m\angle ABC =$ _____

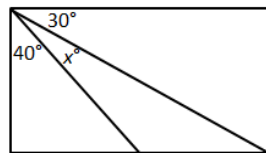


Find the value of x .

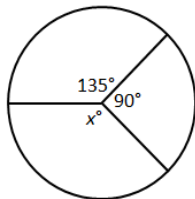
5. $x =$ _____



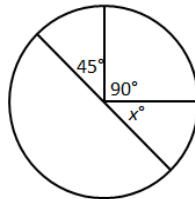
6. $x =$ _____



7. $x =$ _____



8. $x =$ _____



Classifying Angles

Tell if the angle appears to be *acute*, *right*, *obtuse*, or *straight*.

1. $\angle CHF$ _____

2. $\angle CHA$ _____

3. $\angle EHF$ _____

4. $\angle DHC$ _____

5. $\angle BHF$ _____

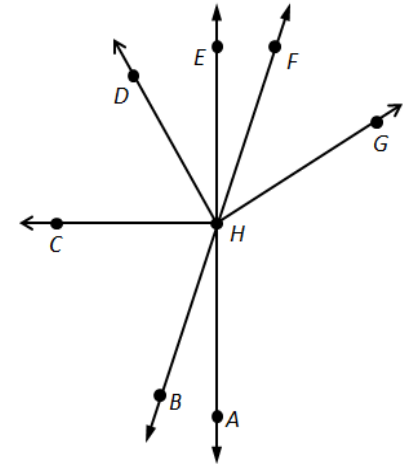
6. $\angle BHA$ _____

7. $\angle EHG$ _____

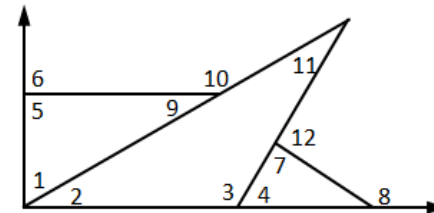
8. $\angle CHG$ _____

9. $\angle AHE$ _____

10. $\angle GHA$ _____



Write each numbered angle in the correct column. Two are done for you.

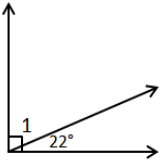


Acute Angles	Right Angles	Obtuse Angles
$\angle 1$	$\angle 5$	

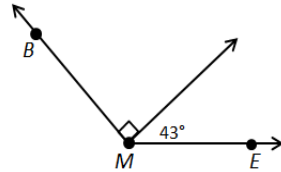
Missing Measures

Find the angle measure.

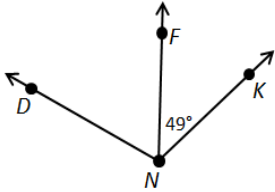
1. $m\angle 1 =$ _____



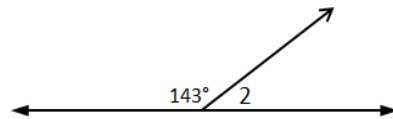
2. $m\angle BME =$ _____



3. $m\angle DNK = 110^\circ$
 $m\angle DNF =$ _____



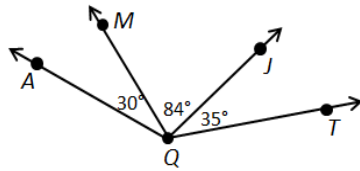
4. $m\angle 2 =$ _____



5. $m\angle AQJ =$ _____

6. $m\angle MQT =$ _____

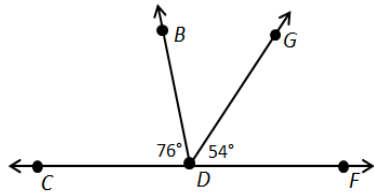
7. $m\angle AQT =$ _____



8. $m\angle BDG =$ _____

9. $m\angle CDG =$ _____

10. $m\angle BDF =$ _____



Working With Adjacent Angles

Correctly answer each question below.

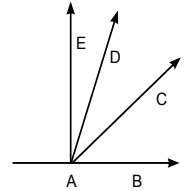
1) What is the adjacent angle to $\angle BAC$?

2) What is the adjacent angle to $\angle BAD$?

3) What is the adjacent angle to $\angle CAE$?

4) What two angles are adjacent angles to $\angle CAD$?

Figure A.

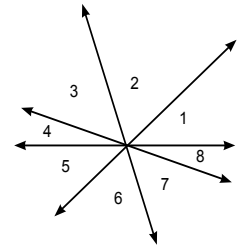


1) What are the two adjacent angles to $\angle 3$?

2) What is the smallest adjacent angle to $\angle 7$?

3) What are the adjacent angles to $\angle 5$?

Figure B.



Adjacent: _____

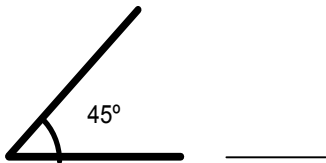
Working With Complementary Angles

Part 1: Give the measurement for the complementary angle for each angle below.

- | | |
|---------------------|---------------------|
| A) 45° _____ | F) 62° _____ |
| B) 30° _____ | G) 89° _____ |
| C) 20° _____ | H) 77° _____ |
| D) 80° _____ | I) 38° _____ |
| E) 55° _____ | J) 5° _____ |

Part 2: For each figure below, draw the complementary angle and label its measurement

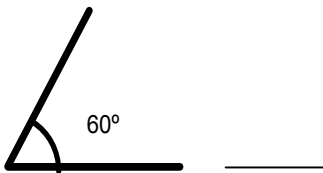
A)



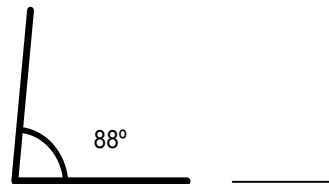
B)



C)



D)



Complementary: _____

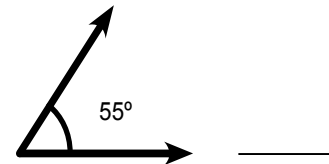
Working With Supplementary Angles

Part 1: Give the measurement for the supplementary angle for each angle below.

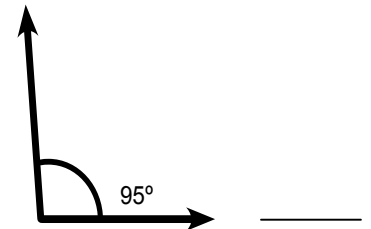
- | | |
|----------------------|----------------------|
| A) 60° _____ | F) 25° _____ |
| B) 110° _____ | G) 170° _____ |
| C) 45° _____ | H) 82° _____ |
| D) 90° _____ | I) 39° _____ |
| E) 150° _____ | J) 107° _____ |

Part 2: For each figure below, draw the supplementary angle and label its measurement

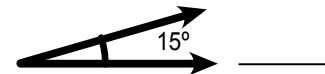
A)



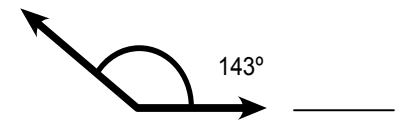
B)



C)



D)



Supplementary: _____

G E O M E T R Y

Working With Linear Pairs

Write the correct answer each question below.

Each angle in Figure 1 is numbered. What makes a linear pair with:

A) $\angle 1$ _____

B) $\angle 4$ _____

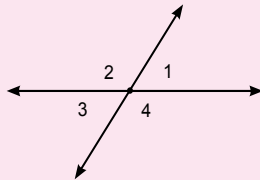


Figure 1

In Figure 2 what angles make a linear pair with:

A) $\angle BAC$ _____

B) $\angle DAE$ _____

C) $\angle GAF$ _____

D) $\angle BAD$ _____

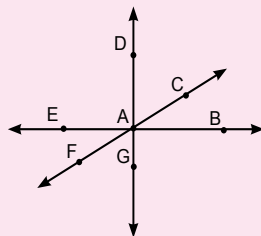
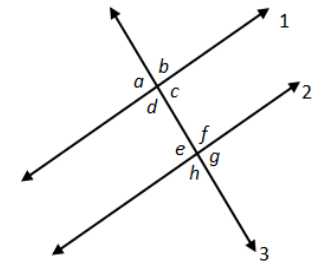


Figure 2

Special Angle Pairs with Parallel Lines

Line 1 is parallel to line 2. List all the angle pairs that fall into each category.

Corresponding	Alternate Interior
Alternate Exterior	Consecutive Interior



Line *a* is parallel to line *b*. Tell if each statement is true (T) or false (F).

$\angle 1$ and $\angle 10$ are alternate exterior angles. _____

$\angle 8$ and $\angle 11$ are alternate interior angles. _____

$\angle 2$ and $\angle 10$ are corresponding angles. _____

$\angle 2$ and $\angle 7$ are alternate interior angles. _____

$\angle 7$ and $\angle 15$ are corresponding angles. _____

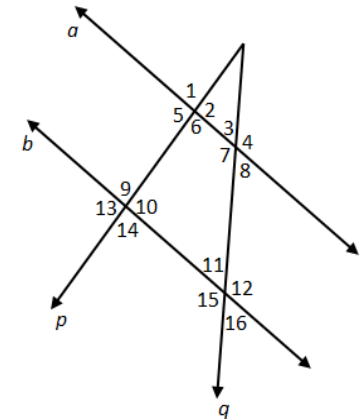
$\angle 5$ and $\angle 10$ are alternate interior angles. _____

$\angle 7$ and $\angle 11$ are consecutive interior angles. _____

$\angle 10$ and $\angle 14$ are consecutive interior angles. _____

$\angle 1$ and $\angle 3$ are corresponding angles. _____

$\angle 4$ and $\angle 15$ are alternate exterior angles. _____



Interior: _____

Exterior: _____

Consecutive: _____

Alternate: _____

Corresponding: _____

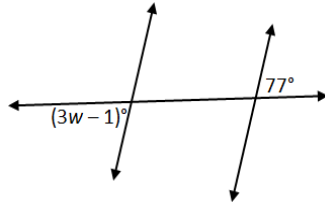
Linear Pair: Sum of Angles = _____

Parallel Lines: Finding the Unknown

Each diagram is formed by two parallel lines and a transversal. Write the equation you can use to find the value of the variable. Then find the value of the variable.

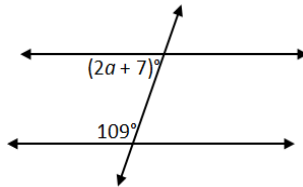
Equation _____

$w =$ _____



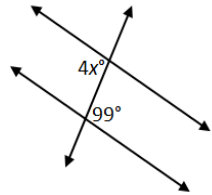
Equation _____

$a =$ _____



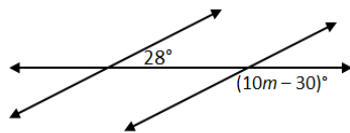
Equation _____

$x =$ _____



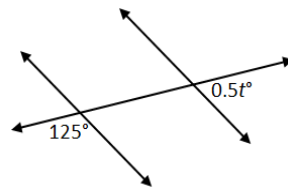
Equation _____

$m =$ _____



Equation _____

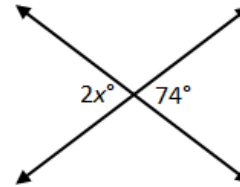
$t =$ _____



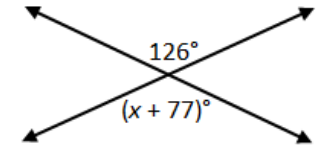
Writing Equations for Vertical Angles

Find the values of x and y .

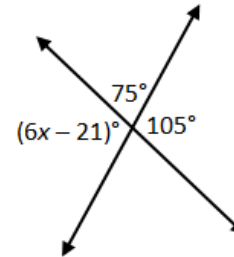
1. $x =$ _____



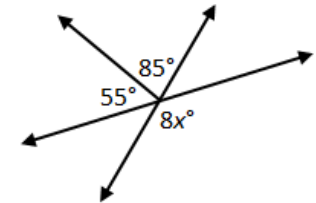
2. $x =$ _____



3. $x =$ _____

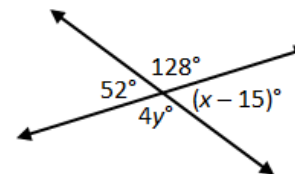


4. $x =$ _____



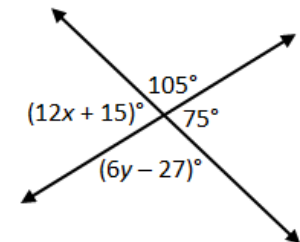
5. $x =$ _____

$y =$ _____



6. $x =$ _____

$y =$ _____



Using Angle Relationships

Find the values of the variables.

$a = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$

$d = \underline{\hspace{2cm}}$ $e = \underline{\hspace{2cm}}$ $f = \underline{\hspace{2cm}}$

$g = \underline{\hspace{2cm}}$ $h = \underline{\hspace{2cm}}$ $j = \underline{\hspace{2cm}}$ $k = \underline{\hspace{2cm}}$

