Definition: An angle is formed by two rays

•

•

•

M

A

X

that share a common endpoint.

1. The point that the two rays intersect is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The two rays are called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the angle.
3. When naming angles, it is typical to use one or three letters. Sometimes one cannot use one letter. When using three letters, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ must be the letter in the middle. Other times one uses numbers to name the angles as below.

R

I

C

K

•

•

•

•

•

•

•

M

A

X

1

2

1. Name an angle using one letter. \_\_\_\_\_\_\_\_\_
2. Name three different angles. \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_

6. ∠IRC can also be named in what two other ways? ,

An angle breaks up a plane into three regions:

the **exterior** of the angle the **interior** of the angle points **on** the angle.

S •

M •

A •

R •

T •

F •

B •

Y •

N •

1. Name the points on the **interior** of ∠ FAB , , ,
2. Name the points **on** ∠ FAB. , , ,

**Complementary and Supplementary Angles**

L



E

F

A

Two angles whose measures add up to \_\_\_\_\_\_ are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

They can also be called a \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ if together they form a straight angle.

In the picture above, \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.

Two angles whose measures add up to \_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.

C

B

A

D

50°

40°

R

T

In the diagram above, \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.

Use the figure on the right to name each of the following.

L

Q

P

O

N

M

1. Name a pair of complementary angles.
2. Name a pair of supplementary angles.
3. Name a different pair of supplementary angles.
4. Name a linear pair.

Find the measure of each angle

56°

5. 6. 7.

56°