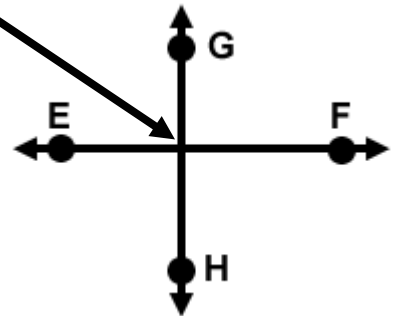
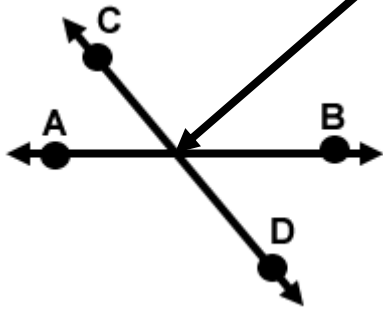


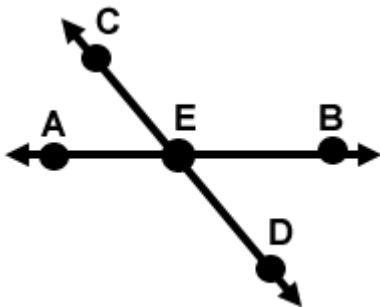
Name: _____

What are Angles?

When we talk about lines, the word **intersection** means that two lines cross each other. **The lines cross each other at a single point.**



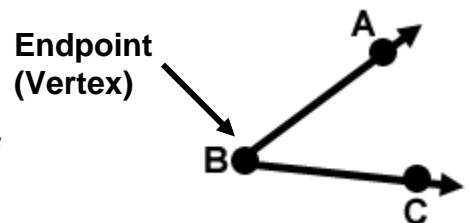
We can name the point! Remember, a point is a description of a location. The **point of intersection** names the location where the two lines meet. **In the picture below, the two lines intersect, or meet, at point E.**



Now a really interesting thing has happened. We can also look at our **two lines** as **four rays**! We can name **Ray EC** and **Ray EB**. Can you name the **other two rays** in this picture?

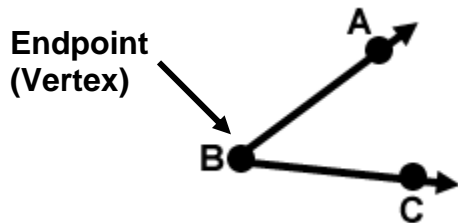
An **angle** is *two rays that share the same endpoint*.

How many angles are formed by the intersection of Line AB and Line CD? _____



Name: _____

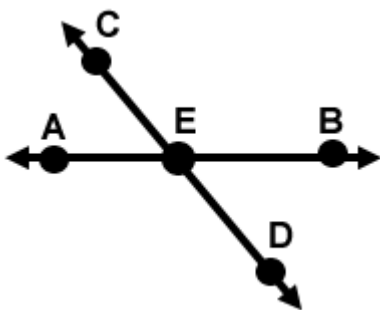
How Do We Name Angles?



An **angle** is two rays that share the same endpoint. The shared endpoint is called the **vertex**. **Vertex** means "*the point of intersection*". The vertex in this picture is point B. It is where the two lines cross or intersect.

Angles are named using the names of their three points. The vertex **is always** the letter in the middle. This angle could be named angle **ABC**, or angle **CBA**. The symbol for angle is \angle . We write: \angle **ABC** or \angle **CBA**.

Can YOU name the four angles in the picture below? Remember EACH angle can have **TWO different names!**



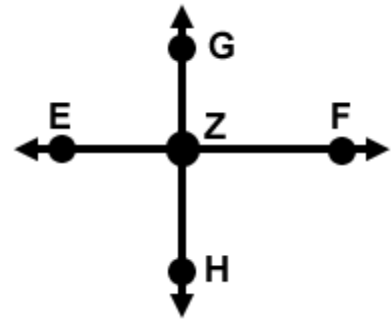
1. _____ or _____
2. _____ or _____
3. _____ or _____
4. _____ or _____

Name: _____

Let's Practice What We've Learned!

Directions: Use the picture below to answer the following questions:

1. What are the names of the **two lines** that have intersected?



2. What is the **vertex**, or point where the two lines have intersected?

3. What are the names of the **four rays** that were formed when the two lines intersected?

4. What are the names of the **four angles** that were formed when the two lines intersected? Remember **each angle** can have **two different names**!

1. _____ or _____

2. _____ or _____

3. _____ or _____

4. _____ or _____

Answer Key:

Page 1:

Can you name the other two rays in this picture?

Ray ED and Ray EA

How many angles are formed?

4 angles are formed.

Page 2:

1. $\angle CEB$ or $\angle BEC$
2. $\angle CEA$ or $\angle AEC$
3. $\angle AED$ or $\angle DEA$
4. $\angle BED$ or $\angle DEB$

Page 3:

1. Line GH and Line EF
2. The vertex is Z
3. Ray ZE, Ray ZG, Ray ZF, Ray ZH
4. Angle names:
 1. $\angle GZE$ or $\angle EZG$
 2. $\angle GZF$ or $\angle FZG$
 3. $\angle FZH$ or $\angle HZF$
 4. $\angle HZE$ or $\angle EZH$