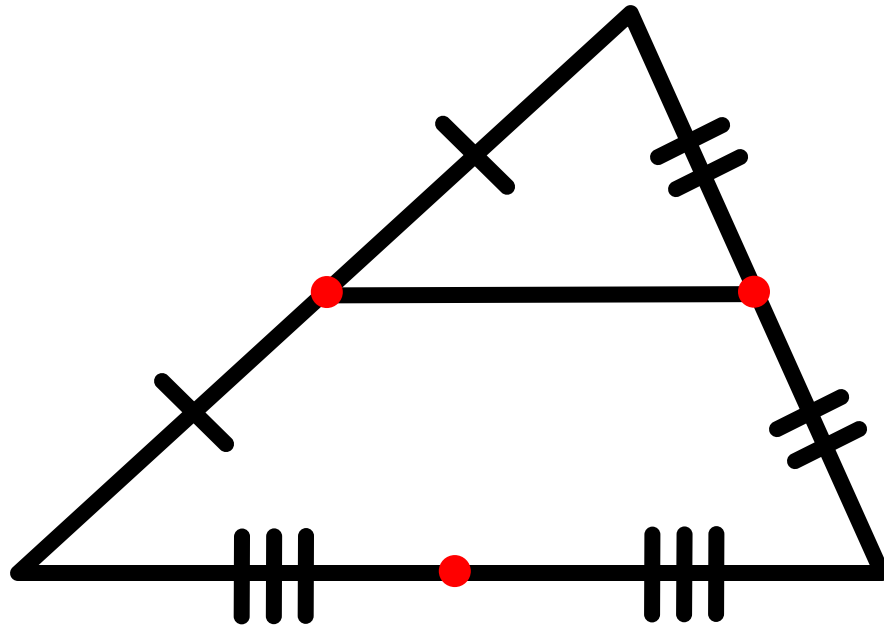


# Chapter 5

## Review



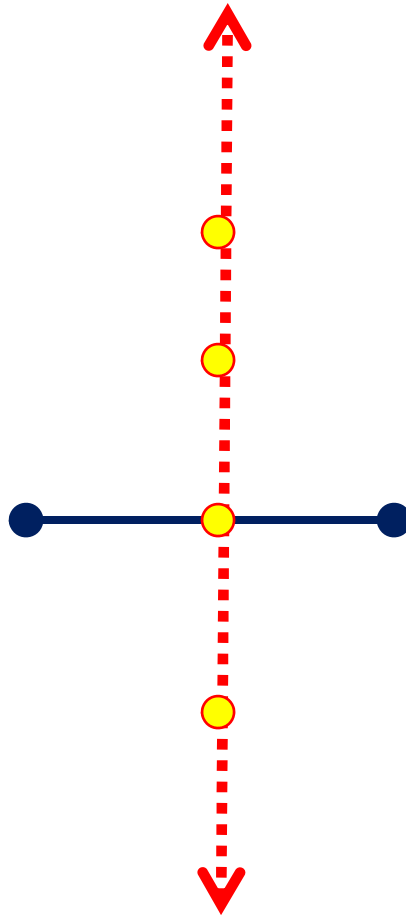
## TRIANGLE MIDSEGMENT POSTULATE

The midsegment is \_\_\_\_\_ to the \_\_\_\_\_ side  
and \_\_\_\_\_ the length of the \_\_\_\_\_ side.

# Perpendicular Bisector Postulate

POK

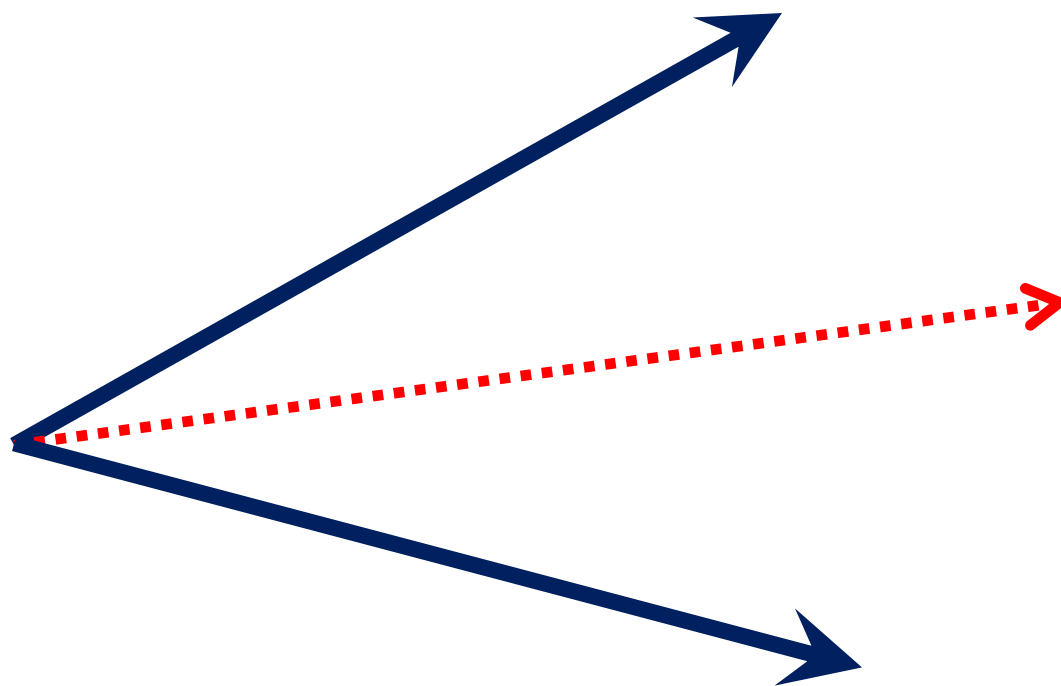
If a point lies on the \_\_\_\_\_  
of a segment, then it is \_\_\_\_\_ from the  
endpoints





## Angle Bisector Postulate

If a point lies on the \_\_\_\_\_  
of an angle, then it is \_\_\_\_\_ from the  
sides of the angle.



# Points of Concurrency

**What do you need to make the following?**

**Circumcenter - \_\_\_\_\_**

**Incenter - \_\_\_\_\_**

**Orthocenter - \_\_\_\_\_**

**Centroid - \_\_\_\_\_**

# Special Properties of Points of Concurrency

## **Circumcenter**

1) \_\_\_\_\_

2) \_\_\_\_\_

## **Incenter**

1) \_\_\_\_\_

2) \_\_\_\_\_

## **Centroid**

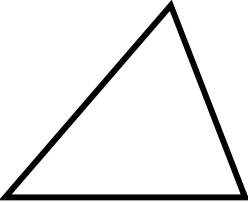
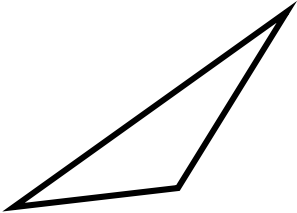
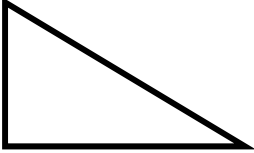
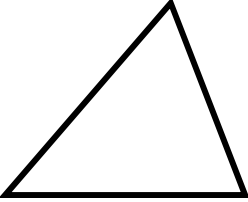
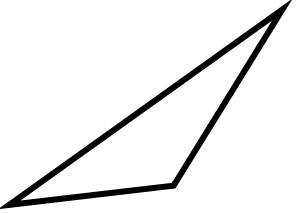
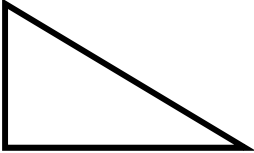
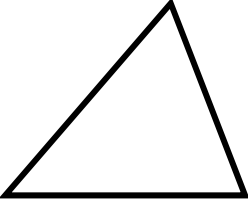
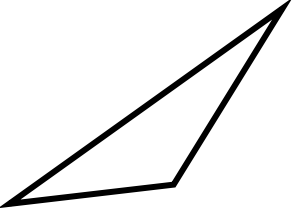
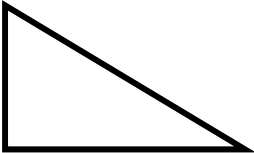
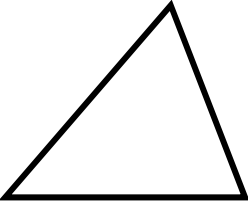
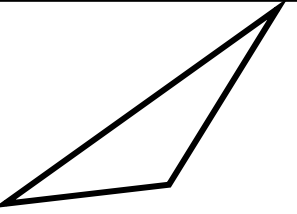
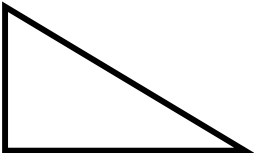
1) \_\_\_\_\_

2) \_\_\_\_\_

# Location of the point of concurrency

Clue: sketching on the triangles helps

Possible answers: Inside, Outside, On a side, on a vertex

Point of Concurrency	Acute Triangle	Obtuse Triangle	Right Triangle
Circumcenter			
Incenter			
Orthocenter			
Circumcenter			

## SIDE-ANGLE INEQUALITY POSTULATE

POK

In a triangle, the \_\_\_\_\_ side is opposite the angle with the biggest measure, and the shortest side is \_\_\_\_\_ the angle with the \_\_\_\_\_ measure.

## TRIANGLE INEQUALITY POSTULATE

POK

The sum of the lengths of any two sides of a triangle is \_\_\_\_\_ the length of the \_\_\_\_\_ side.