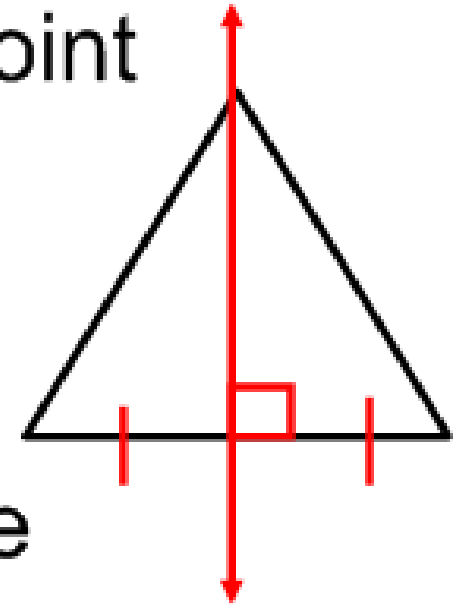


Chapter 5  
Lesson 5.1  
Bisectors,  
Medians, and  
Altitudes

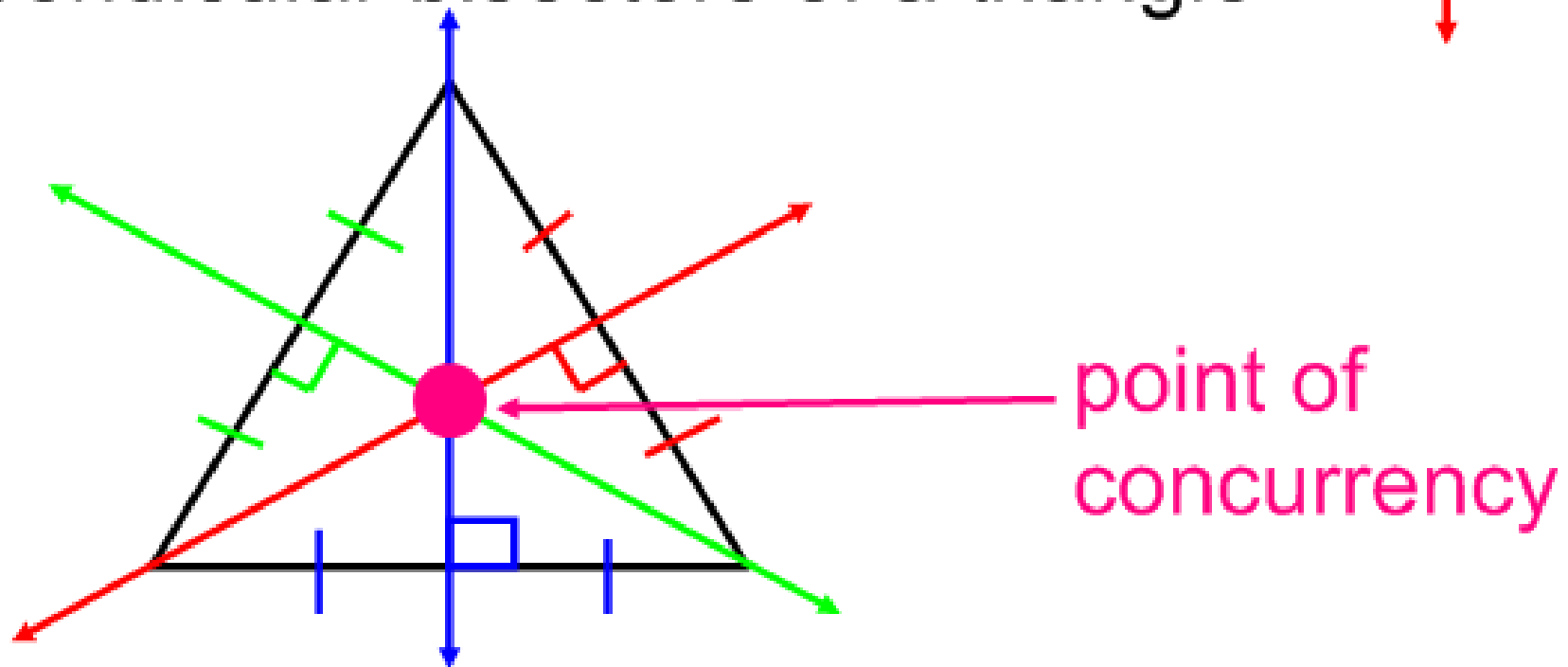
# 1. Perpendicular Bisector:

A line, ray, or segment that is perpendicular to a side of the triangle at the midpoint of the side.



# 2. Circumcenter of the triangle:

The point of concurrency of the perpendicular bisectors of a triangle

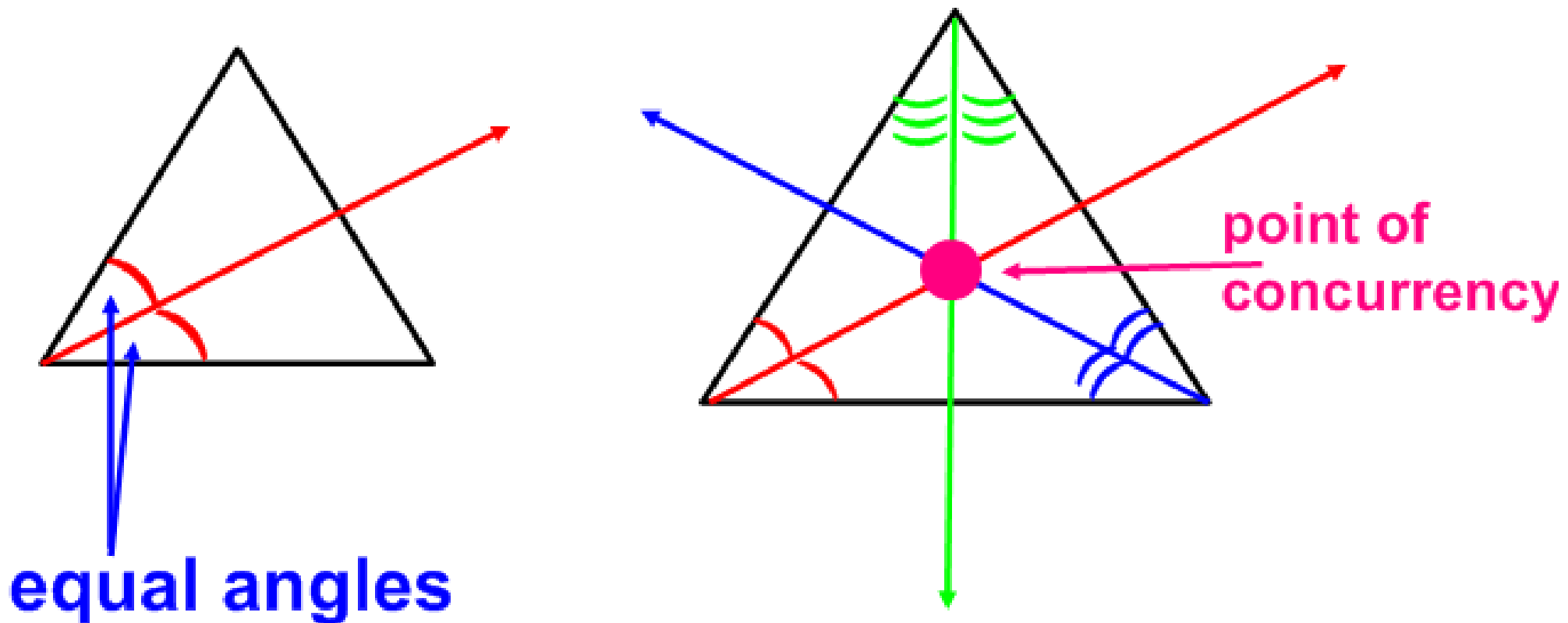


### 3. Angle Bisector:

A bisector of an angle of the triangle.

### 4. Incenter of the triangle:

The point of concurrency of the angle bisectors of a triangle.

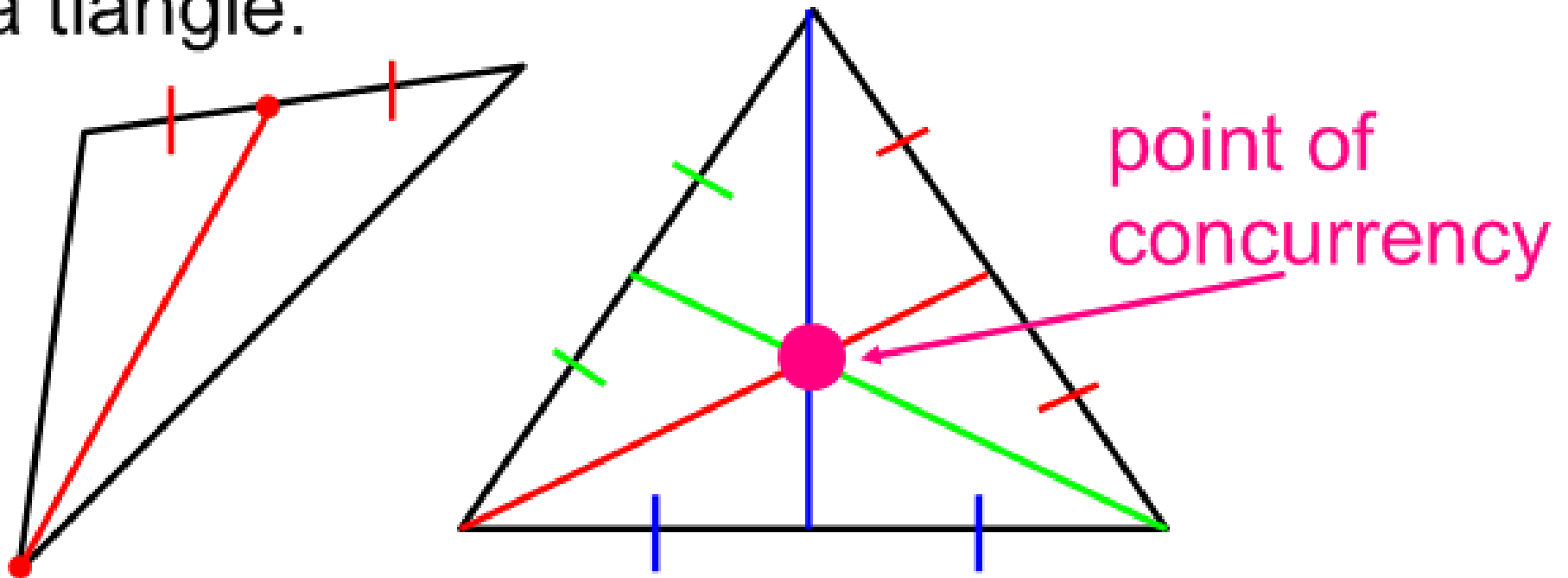


5. Median:

A segment whose endpoints are a vertex of the triangle and the midpoint of the opposite side.

6. Centroid of the triangle:

The point of concurrency of the medians of a triangle.



## 7. Altitude:

The perpendicular segment from a vertex to the opposite side or to the line that contains the opposite side. The altitude can lie inside, on, or outside the triangle.

## 8. Orthocenter of the Triangle:

The point of concurrency of the altitudes of a triangle.

