

**GEOMETRY  
HONORS  
CLASS NOTES**

Name: \_\_\_\_\_

Section: 1.5 Period: \_\_\_\_\_ Date: \_\_\_\_\_

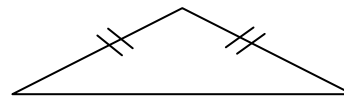
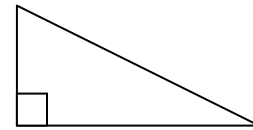
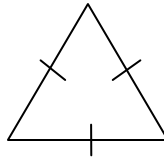
Key Question: \_\_\_\_\_

\_\_\_\_\_

Questions/ Main  
Ideas:

Warm-up: *Match each triangle to its type...*

- a. Right
- b. Equilateral
- c. Isosceles
- d. Acute
- e. Obtuse
- f. Scalene



Notes:

Activity 1 (textbook page 43)

After completing the activity finish the following statements...

- The perpendicular bisectors of a triangle \_\_\_\_\_ at a single \_\_\_\_\_.
- The angle bisectors of a triangle \_\_\_\_\_ at a single \_\_\_\_\_.

Activity 2 (textbook page 44)

After observing the activity, finish the following statements...

- An \_\_\_\_\_ is *inside* a triangle and just touches its three sides.
- The intersection point of the angle bisectors of the angles of a triangle is called the \_\_\_\_\_.
- A \_\_\_\_\_ is *outside* the triangle and connects all three vertices.
- The intersection point of the perpendicular bisectors of the sides of a triangle is called the \_\_\_\_\_.
- The \_\_\_\_\_ of a triangle is the segment from a vertex perpendicular to the opposite side. *Draw an example.*
- The \_\_\_\_\_ of a triangle is the segment from a vertex to the midpoint of the opposite side. *Draw an example.*

Activity 3

- Create a triangle and fold the three altitudes of each side. The point of intersection is called the \_\_\_\_\_.  
The special property of this center point is...
- Create a triangle and fold the three medians of each side. The point of intersection is called the \_\_\_\_\_.  
The special property of this center point is...

*Staple your folding paper to the space below.*

Summary: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_