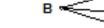
ALTITUDES, ANGLES BISECTORS, AND MEDIANS

Find a value for x in each of the following. E and D are midpoints.

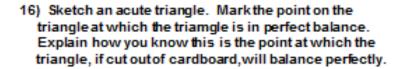


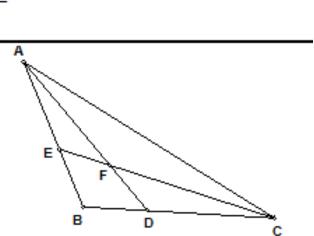


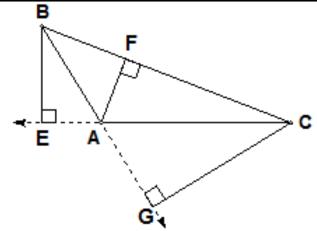


→ ADbisects ∠BAC and CE bisects ∠ACB

- Sketch a segment to show the distance from F to AB. Label the point of intersection Z.
- Sketch a segment to show the distance from F to BC.
 Label the point of intersection Y.
- 12) What is true about FZ and FY?
- 13) BE, FA, and CG are called what of △ABC?
- Sketchthe lines that contain BE,FA, and CG?
 Label the point where they intersect Q.
- 15) Q is called the _____







17) What point should you find in order to draw a circle through all 3 vertices of a triangle? Which lines, or segments should be drawn to find this point? Why? Make a sketch.