Geometry

6.2 Bisectors of Triangles

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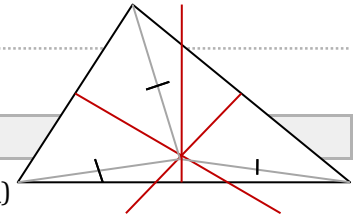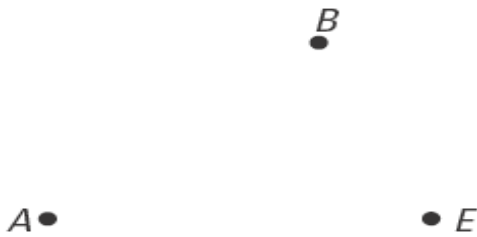
Concurrent

- Several lines that _____ at same _____ (_____)

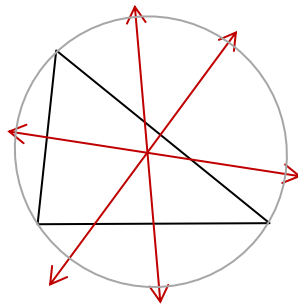**Concurrency of Perpendicular Bisectors of a Triangle**

The _____ of a _____ intersect at a point that is _____ from the _____ of a triangle

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Hot pretzels are sold from store at A, B, and E. Where could the pretzel distributor be located if it is equidistant from those three points?

B
•

A•   • *E*

Circumcenter

- The point of _____ of the _____ of a triangle.
- If a circle was _____ around a _____, the _____ would also be the _____ of the circle.
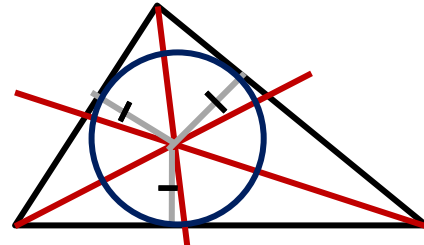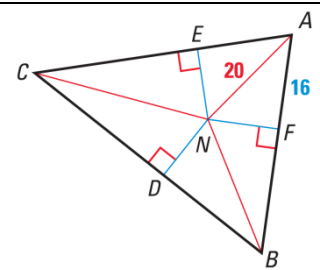
Concurrency of Angle Bisectors of a Triangle

The angle bisectors of a _____ intersect at a point that is _____ from the _____ of a triangle

Incenter

- Point of _____ of the _____ of a triangle
- If a circle was _____ in a triangle, the _____ would also be the _____ of the circle.

N is the incenter. Find *EN*

Assignment: 305 #1, 4, 6, 8, 12, 14, 16, 26, 27, 29, 30, 31, 32, 36, 37, 51, 53, 55, 56, 58 = 20 total