

NAME: _____

1. Describe the location of the point of concurrency of the perpendicular bisectors of a triangle.

- [A] on the longest side of the triangle
- [B] in the same place as the point of concurrency of the altitudes of the triangle
- [C] always in the interior of the triangle
- [D] in the exterior, on, or in the interior of the triangle
- [E] none of the above

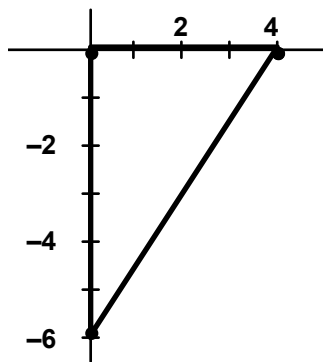
2. Compare the quantity in Column A with the quantity in Column B.

$\triangle ABC$ is an equilateral triangle. M is the point of concurrency of the medians and N is the point of concurrency of the angle bisectors.

<u>Column A</u>	<u>Column B</u>
MA	NA

- [A] The quantity in Column A is greater.
- [B] The quantity in Column B is greater.
- [C] The two quantities are equal.
- [D] The relationship cannot be determined on the basis of the information supplied.

3. Give the point of concurrency of the altitudes and of the perpendicular bisectors of the sides.



[1] D

[2] C

[3] altitudes: $(0, 0)$; perpendicular bisectors: $(2, -3)$