Math 096 - Quiz 8

April 12, 2017
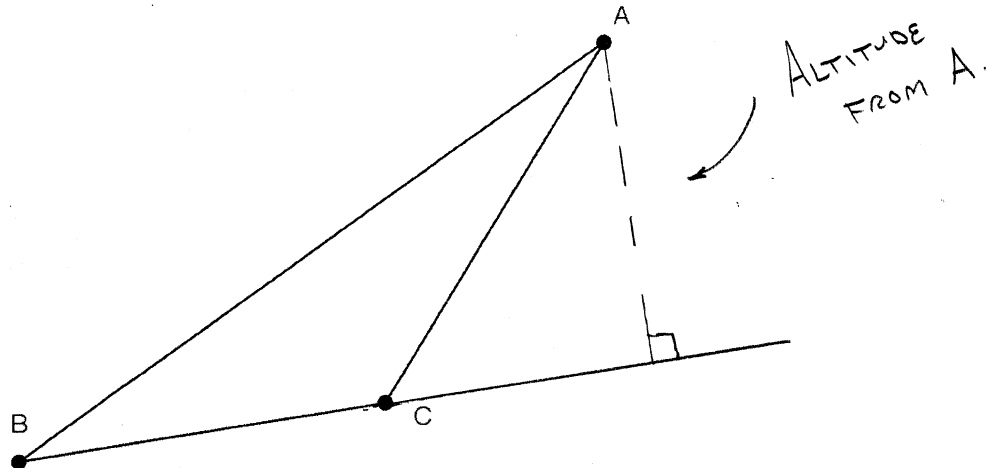
Name __key__

Score _____

Show all work to receive full credit. Supply explanations when necessary.

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1. (2 points) One angle of a parallelogram measures 56°. Find the measure of the next consecutive angle and the opposite angle.

    ↳ SUPPLEMENTARY   ↳ CONGRUENT

    $180° - 56°$

    $= \boxed{124°}$ $\boxed{56°}$

2. (2 points) Use a straightedge to draw the altitude from the vertex at A.

ALTITUDE FROM A.

3. (2 points) List three positive numbers that cannot be the side lengths of a triangle. Explain how you know.

    $1, 1, 5$ $1 + 1$ IS NOT GREATER THAN 5

4. (4 points) Write down two properties of parallelograms. (Do not use the definition as one of your properties.)

    ① OPPOSITE ∠'s ARE CONGRUENT.

    ② OPPOSITE SIDES ARE CONGRUENT.