

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

Period: \_\_\_\_\_

Date: \_\_\_\_\_

## Geometry: Open Response

**ALL work must be done in the grid below.**

1. Use the points A(-4,5), B(1,17), and C(8,0) to answer the following questions.
  - a. Graph the points.
  - b. Find the length of each side (to the nearest hundredth).
  - c. Identify  $\triangle ABC$  as equilateral, isosceles or scalene. Justify your answer.
  - d. Identify  $\triangle ABC$  as acute, obtuse or right. Justify your answer.

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin gray lines. There are 20 columns and 20 rows of squares, creating a total of 400 square units. The grid covers the entire area of the page, leaving no margins or additional markings.