

Practice

Name \_\_\_\_\_

Triangle ABC has vertices **A(-3, -2)** , **B(3, 4)**, and **C(-8, 3)**.

- a. Find the length of AB.
- b. Find the length of BC.
- c. Find the length of AC.
- d. Based on the lengths of the side of the triangle explain what kind of triangle it is.
- e. Using your answers from a-c, determine if the triangle is a right triangle using the Pythagorean theorem.
- f. Determine if the triangle is a right triangle using slopes.
- g. Find the midpoint of AB.
- h. Find the midpoint of BC.