Mrs. Johnson's class is doing an integrated unit on mythology. The students are learning about the legend of Polarctica, the sea god. In the story, Polarctica's wife dies giving birth to identical triplets. A grief-stricken Polarctica blames the babies for his wife's death. He says, "I will live the rest of my days at Earth's North Pole, and will banish my three sons. They will each spend the rest of their lives separated from each other, living on one of three floating islands." Polarctica made one final order. He said, "my three sons and I must remain as far apart from each other as possible. Each of us shall be the same distance from the other three, none closer and none further apart".

Mrs. Johnson challenged the students to visualize where the three sons could be located. After they thought about the problem for a few minutes, she gave them the following hint. She said, "With four points, there are six straight lines that connect the six possible pairs of points. What shape is formed when all six of these lines are the same length? It's not a square!"

**What shape is Mrs. Johnson talking about?**