

GPS Discovery!

As part of evidence a map has been recreated with a coordinate system of the crime scene from Google Earth.

According to witnesses the location of the four suspects and the victim during the murder were as follows:

Victim (Mrs. Curl): (1,1)

Mr. Orr : (2,4)

Ms. Kominek: (4,2)

Mr. Coates : (-1, -2)

Mr. Roesch: (6,0)

The following was overheard from these suspects:

Mr. Coates: *“It couldn’t be me! I was the same distance away from the victim as Mr. Orr and Ms. Kominek”*

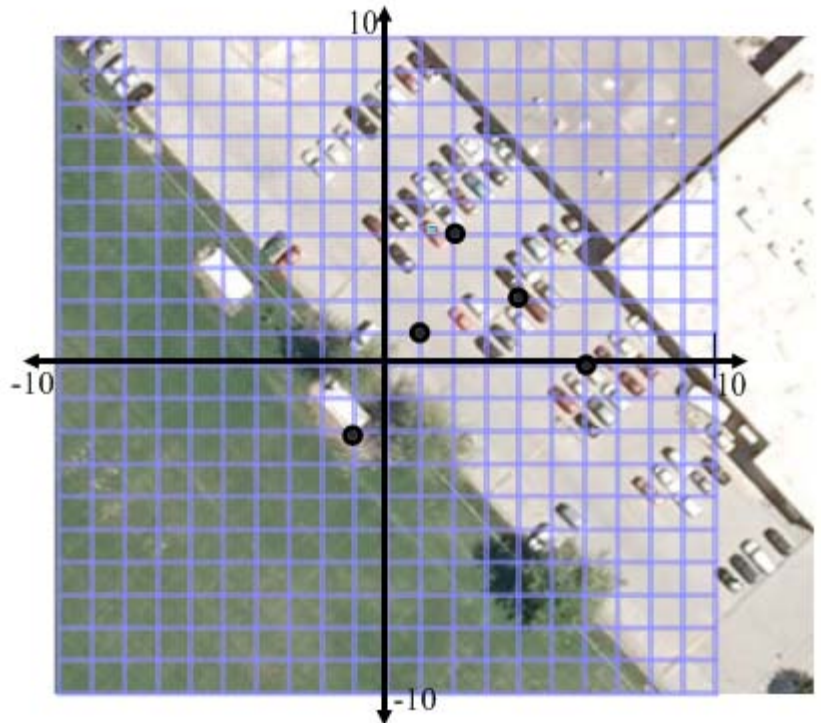
Mr. Roesch: *“It wasn’t me! I was figuring out that the right bisector that passes through the line between Mr. Coates and Mrs. Curl was*

$$y = \frac{2}{3}x + \frac{1}{2}”$$

Ms. Kominek: *“I didn’t do it! I was the intersection point of the line between me and Mr.*

Orr and $y = \frac{1}{3}x + \frac{2}{3}$

Mr. Orr: *It wasn’t me! I was figuring out that I was on the line that passes through Ms. Kominek and Mr. Roesch”*



Who were telling the truth and who were lying?

My Main suspect is _____ because...