Doris Schattschneider

Doris Schattschneider was born Doris Wood on October 19, 1939 in New York City. She was the second of four children. Her mother, Charlotte Wood held a masters degree in classics and her father, Robert Wood was a mechanical engineer. From a young age, her mother and father supported her. Doris's high school math teacher encouraged her to go into mathematics, however her physics professor in college told her she shouldn't go into that field. Doris went with her high school teacher and in 1966, she earned her PhD from Yale University with a dissertation on "Restricted roots of a semi-simple algebraic group." She is currently a professor of mathematics at Moravian College in Pennsylvania.

1. Find the distance between (1,5) and (10,8).

2. Now find the distance between the same two points using the taxicab metric.