

Problem-Based Task: Pave the Way**Coaching**

- a. What is the equation of the line that represents the center of the road?
- b. What is the slope of the equation that represents the center of the road?
- c. What is the slope of the lines that represent each edge of the road? How do you know?
- d. Which point represents the edge of one side of the road?
- e. What is the equation that represents this edge of the road?
- f. Which point represents the other edge of the road?
- g. What is the equation that represents this edge of the road?
- h. What is the minimum distance for a two-lane road?
- i. What formula is used to calculate the distance between points?
- j. What are the two points that are directly across the road from each other?
- k. What is the distance between these two points?
- l. Does the placement of the points meet the minimum distance requirement?