Car Trouble (Sample Responses)

# Possible Solution #1

*Students display their ability to use the midpoint formula.*



Amber’s family should return to their home because they have not reached the midpoint of the line segment yet.

# Possible Solution #2

*Students display their knowledge that to find a midpoint they must average the x- and y-values in the given coordinates. (This can be done without formally using the midpoint formula.)*



Amber’s family should return to their home because they have not yet made it to the midpoint of their trip.

# Possible Solution #3

*Students use slope to analyze the similarities and differences between the distances from Tyrone to Texhoma and from Texhoma to Dalhart.*

Map

Description automatically generated

**44**

**33**

**40**

**30**

Amber’s family should return home because they are closer to their home than their grandmother’s house.