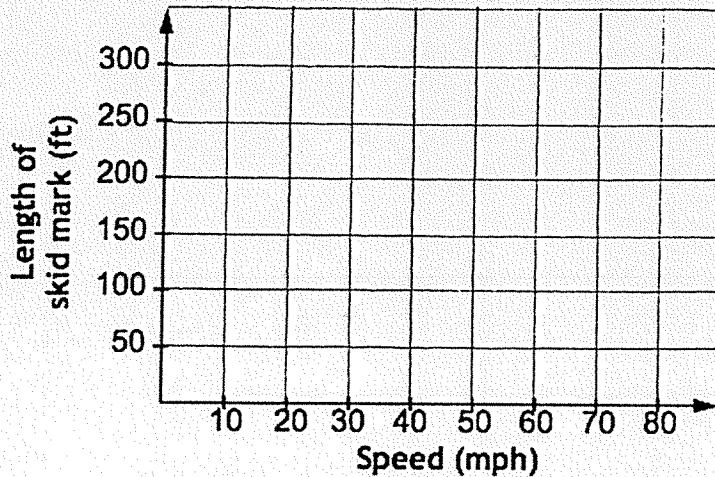## Understanding inverse relations
Student Activity Sheet 1; *Overview*

1. Use the table to record the data showing the relationship between the speed of the car and the length of the skid mark. Plot the values as you record them.

Speed (mph)	Length of skid mark (ft)

2. Based on the graph and the data, what type of function might model the relationship between the speed of the car and the length of the skid mark? Explain your reasoning.

Understanding inverse relations
Student Activity Sheet 1; *Overview*

3. Use the data you recorded in question 1 to make a table showing the relationship between the length of the skid mark (independent variable) and the speed (dependent variable). Make a scatterplot to show this new relationship.

Length of skid mark (ft)	Speed (mph)

4. What is a *relation*?

5. What is the *inverse* of a relation?