

5-8: Driving Safety Data

Name: _____

Date: _____

1) Complete the chart below.

Speed	Reaction Distance	Braking Distance
75 mph		
65 mph		
55 mph		
45 mph		
5 mph		

2) Jerry is driving 35 miles per hour as he approaches a park. A dog darts out into the street between two parked cars, and Jerry reacts in about three-quarters of a second. What is his approximate *reaction distance*?

3) Matt is driving 60 miles per hour on a state road with a 65 mph speed limit. He sees a fallen tree up ahead and must come to a quick, complete stop.

a) What is his approximate *reaction distance*?

b) What is his approximate *braking distance*?

c) About how many feet does the car travel from the time he switches pedals until the car has completely stopped?

4) Annie is driving on the highway at the legal speed limit of 63 mph. She sees a police road block about 300 feet ahead and must come to a complete stop. Her reaction time is approximately $\frac{3}{4}$ of a second. Is she far enough away to safely bring the car to a complete stop? Explain.