Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_

M5 L2 DN

The two tables below compare the distance Speed Racer drives vs the distance Night Rider drives:

 Speed Racer Night Rider

Minutes Miles Minutes Miles

1 80 1 90

2 165 2 180

3 255 3 270

4 350 4 360

5 450 5 450

6 555 6 540

Which car is driving at a constant rate?

Show two data points for each car that demonstrate why or why not they are driving at a constant rate.

Write a linear equation for the car who is running at a constant rate.

If we were only to look at the distance each runner traveled after 5 minutes, would we be able to determine who was running at a constant rate? Why or why not?