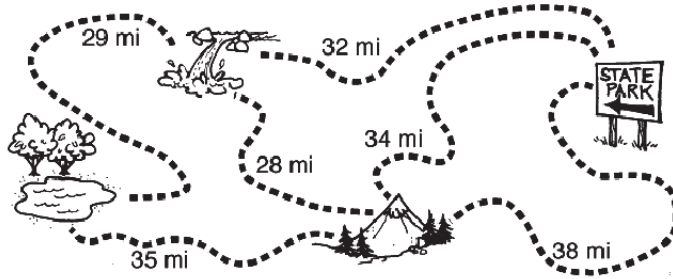


Name _____

Biking Division

Jeff and Mario spent their summer vacation biking and camping along trails in a nearby state park. Use the map and the table of information below to solve each problem.



Distance, Rate, and Time	
Example: Joe drove 140 miles in 2 hours at 70 miles per hour.	
rate \times time = distance	$70 \times 2 = 140$ mi
distance \div time = rate	$140 \div 2 = 70$ mi per hr
distance \div rate = time	$140 \div 70 = 2$ hr

- Mario bikes at a rate of 7 miles per hour. If he takes the longer direct route from the park entrance to the mountain, for how many complete hours will Mario bike?

- If he continues riding at a rate of 7 miles per hour, how many hours will it take Mario to bike from the mountain to the lake along the most direct route?

- Jeff bikes at a rate of 9 miles per hour. If he bikes the most direct route from the park entrance to the waterfall, about how many hours will Jeff bike?

- From the waterfall, Jeff then bikes the direct route to the lake. His rate decreases to 8 miles per hour. For how many complete hours will Jeff bike?

- How many total miles does Jeff bike in order to go from the park entrance to the lake using the shortest distance?

- Mario bikes along the most direct route from the lake to the waterfall to meet Jeff. If he bikes 5 miles per hour, about how many hours will he bike?
