**Ex 1:** Two bicyclists ride in opposite directions. The speed of the first bicyclist is 5 miles per hour faster than the second bicyclist. After 2 hours, they are 70 miles apart. Find their rates.



**Ex 2:** You left to work from home, averaging 20 miles per hour. On your drive back home, you averaged 40 miles per hour. If the total travel time was 1.5 hours, how long did it take him to drive each route?

