1. C and D start from two points 480 miles apart and travel toward each other. They meet in 8 hours. If $C$ travels 6 miles per hour faster than $D$, find their rates.
2. A man rides out into the country at a uniform rate of 30 miles per hour. He rests 2 hours and then rides back at 20 miles per hour. He is gone 5 hours. How far did he go?
