



North South University
School of Engineering and Physical Sciences
Department of Mathematics and Physics
GENERAL PHYSICS I, PHY 107
Practice Exercise

Lecture #2

1. A visitor is driving a car in an 8.4 km long, beautiful mountain range at an average speed of 70 km/h . The visitor suddenly finds a nice lake in the distance and starts walking for 2.0 km for the next 30 minutes and reaches the lake. What is the time interval from the beginning of driving the car to the arrival at the lake?
2. John drove a car along a straight road for 20.4 km at 100 km/h when the vehicle ran out of gasoline and stopped. Over the next 40 minutes, he walked another 5.0 km farther along the road to a gasoline station. What is the overall displacement from the beginning of John's drive to his arrival at the station?