A bicycle delivery person has to deliver packages to four different locations around a city. The average travel time (in minutes) between these locations is given in the table to the right. For simplicity, location $A$ will represent his starting place and $B$, $C$, $D$, and $E$ will represent the four locations that he must deliver packages to. Due to hills, traffic patterns, etc... the time between locations is asymmetric. For example, to go from point $B$ to point $C$ takes 9 minutes, while to go from point $C$ to point $B$ takes 8 minutes.

What route should the delivery person take if he/she is to start at point $A$, deliver all of the packages, and then return to point $A$ in the least amount of time? You must provide an explanation of how you determined that your proposed route is the shortest.

**To submit a solution:**
1. Neatly write up your solution, clearly identifying the answer and clearly showing all work when applicable.
2. Along with the solution include your name and phone number (so we can contact you if you win the prize).
3. On the Brighton Campus, solutions may be submitted in the Puzzler of the Month drop box in the Math Learning Center (11-204). On the Damon City Campus, solutions may be submitted in the Puzzler of the Month drop box in the Integrated Learning Center.

You may also submit solutions by emailing Steve Kilner at skilner@monroecc.edu (please indicate “puzzler solution” as the subject).

Faculty and Staff may use inter-departmental mail as well.

For official rules and more details go to the Math Learning Center 11-204, the DCC Integrated Learning Center or visit our website: web.monroecc.edu/MathPuzzler.

*Only students are eligible for the monthly prize.

***Solutions must be submitted by November 30***