**[Course Number]**

**[Course Name]**

**Participation Exercise: Service Standards**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please answer the question below.**

*You are taking a bus trip, and you can choose from one of three bus routes to get to your final destination. Assume the in-vehicle travel time is the same for all three routes.*

**Origin** **Destination**

 ***Route A (Top)***

Mean Headway = 10 min

 Std. Dev. Headway = 0

  ***Route B (Middle)***

Mean Headway = 9 min

 Std. Dev. Headway = 6

***Route C (Bottom)***

Mean Headway = 7 min

 Std. Dev. Headway = 7

Calculate the expected wait time for each route. Based on the expected wait times, which route would you choose?

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