**Inventory. Walmart places road master bike order every 3 months from manufacturer and stocks them at their store for sale. As Fall semester is about to start in August, their business analysts came up with 3 months demand figures as follows: August, 40 bikes; September, 45 bikes; October, 35 bikes. Based on the demand, manufacturer’s price per bike fluctuates as follows: August, $90; September, $95; October, $90. Walmart’s inventory management team assessed that, by holding a bike in their inventory at the end of each month, Walmart loses $5 opportunity cost per bike which is a holding cost. As these 3 months follow seasonal effect, Walmart’s selling price fluctuates as** **follows: August, $90; September, $95; October, $99. At the beginning of month August, Walmart will be having 10 bikes on hand. Determine how procurement department place the order for these 3 months in order to maximize their profit. Orders will reach Walmart store on Day 1 of every month.**