Assignment 4

Date: 08/10/2014

The following table presents the prices and costs for various products. Use this information to answer the questions below.

<table>
<thead>
<tr>
<th>Product</th>
<th>Price</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>20.00</td>
<td>10.00</td>
</tr>
<tr>
<td>B</td>
<td>30.00</td>
<td>15.00</td>
</tr>
<tr>
<td>C</td>
<td>40.00</td>
<td>20.00</td>
</tr>
</tbody>
</table>

1. Calculate the profit for each product.

2. Identify the product with the highest profit margin.

3. Determine the revenue and profit for each product if the price is increased by 10%.

4. If the cost of product A increases to 15.00, how would the profit for product A be affected?

5. If the demand for product B decreases by 10%, what would be the impact on revenue?

6. The demand for product C is expected to increase by 20%. Estimate the new revenue.

7. Calculate the break-even point for each product.

8. If the price of product A is doubled, what would be the effect on revenue?

9. Calculate the elasticity of demand for each product.

10. If the price of product B decreases by 5%, what would be the potential impact on total revenue?

11. If the demand for product C doubles, what would be the effect on revenue and profit?

12. Calculate the price elasticity of demand for product A.

13. If the demand for product B increases by 10%, what would be the expected effect on revenue and profit?

14. Calculate the cross-price elasticity of demand between products A and B.

15. If the demand for product C decreases by 15%, what would be the potential impact on revenue and profit?

16. Calculate the marginal revenue for each product.

17. If the price of product A increases by 2%, what would be the impact on total revenue?

18. Calculate the marginal cost for each product.

19. If the cost of product B increases by 10%, what would be the effect on profit?

20. Calculate the profit elasticity for each product.