

Date: _____ Section _____ Name _____, ID _____

Source of data : **FASTFOOD**

Use the given confidence level **95 %** **90 %** **99 %** **95 %** **90 %**

| Product | Type | Price | Total Fat | Saturated Fat | Calories | Sodium |
|---|---------|-------------|-----------|---------------|------------|-------------|
| Wendy's Classic Single with Everything | Burger | 2.09 | 19 | 7 | 410 | 920 |
| Wendy's Big Bacon Classic | Burger | 2.79 | 31 | 12 | 580 | 1500 |
| McDonald's Big Mac | Burger | 2.24 | 34 | 11 | 590 | 1310 |
| Hardee's Famous Star | Burger | 1.49 | 35 | 10 | 570 | 860 |
| BK Bacon Double Cheeseburger | Burger | 2.59 | 39 | 19 | 640 | 1180 |
| Burger King Whopper | Burger | 2.34 | 39 | 12 | 680 | 940 |
| Hardee's All-Star (bacon) | Burger | 2.29 | 43 | 14 | 660 | 1260 |
| Wendy's Grilled Chicken Fillet | Chicken | 2.99 | 7 | 1.5 | 300 | 740 |
| Chick-fil-A Chicken (breaded) | Chicken | 2.39 | 9 | 2 | 290 | 870 |
| KFC Tender Roast | Chicken | 2.99 | 15 | 3 | 350 | 880 |
| Arby's Grilled Chicken Deluxe | Chicken | 2.99 | 16 | 4 | 420 | 930 |
| Wendy's Chicken Breast Fillet (breaded) | Chicken | 2.89 | 16 | 3 | 430 | 750 |
| McDonald's Chicken McGrill | Chicken | 2.94 | 18 | 3 | 450 | 970 |
| KFC Original Recipe (breaded) | Chicken | 2.99 | 22 | 5 | 450 | 940 |
| Burger King BK Broiler | Chicken | 2.89 | 25 | 5 | 550 | 1110 |
| McDonald's Crispy Chicken (breaded) | Chicken | 2.79 | 27 | 4.5 | 550 | 1180 |
| Boston Market Chicken Carver | Chicken | 4.49 | 33 | 12 | 750 | 1860 |
| Burger King Chicken Sandwich (breaded) | Chicken | 2.94 | 39 | 8 | 660 | 1330 |
| Mean = \bar{x} | | | | | | |
| St. Dev = s | | | | | | |
| Margin of Error (E) | | | | | | |
| Upper Bound for μ | | | | | | |
| Lower Bound for μ | | | | | | |

Explain your answers for confidence interval for **price** and **saturated fat**.

1)

2)