Beginning Algebra

Study Guide 7

Due Date: _____

Name: _____

Class: _____

Score: _____

No Work $\Leftrightarrow$ No Points

Use Pencil Only $\Leftrightarrow$ Be Neat & Organized

1. **(4 points) A rectangular garden has a perimeter of** 34 **feet. The width of the garden is** 3 **feet shorter than its length. Find its dimensions.**

1. _____

2. **(4 points) John has** $\$1.85$ **in nickels and dimes. The number of dimes is** 1 **more than twice the number of nickels. Find the number of dimes that John has.**

2. _____

3. **(4 points) The PTA of a local school paid** $\$172$ **to purchase** 26 **tickets for a trip to the county fair. The adults pay** $\$12$ **and kids pay** $\$5$ **for tickets. Find the number of adults and kids ticket that was purchased by PTA.**

3. _____

4. (4 points) The Chan's family are in need of renting a truck and their budget is $85 for the rental fee. They manage to rent a truck at a daily rate of $25 for a day plus 10¢ per mile driven. Find the maximum number of miles that they can drive on a one day rental?

4. _____

5. (4 points) One local bank charges $10 monthly fee plus 5¢ per check written in that month while another bank charges $5 monthly fee plus 10¢ per check written in that month. Find the number checks written per month makes the first bank a better deal.

5. _____

6. (5 points) Find the corresponding temperature range in degree Fahrenheit by using the formula $C = \dfrac{5}{9}(F - 32)$ if the temperature in degrees Celsius is between $30°$ and $40°$, inclusive.

6. _____