

**Math 162****Quiz 1**

Form A

Show all work in a neat and organized fashion. Clearly indicate your answers.  
10 points possible.

1. (2 pts.) Determine if the table below represents a function. Assume the input is in the left column.

Person's Height (inches)	Person's weight (pounds)
63	139
73	196
64	115
72	203
73	189

2. (4 pts.)  $A(t)$  is the amount in an investment account (in dollars) after in the year  $t$ . Write the following statements in function notation.

(a) The amount in the account was \$2000 in the year 1989.

(b) In the year 1995, \$1997 was in the account.

3. (4 pts.) A baby weighing 8 pounds at birth loses 15% of her weight in the 3 days after birth, and then, over the next 4 days, returns to her birth weight. During the next month, she steadily gains 0.6 pounds per week. On the attached graph paper, sketch a graph of the baby's weight from birth to 4 weeks. Accurately label both axes.