

Name \_\_\_\_\_

Date due \_\_\_\_\_

## Open Response (16 pts)

Please use the paper provided to answer the questions below.

Gerald wants to purchase a tennis racket and some cans of tennis balls. The table below shows the total prices he would pay at a discount store to buy one tennis racket and 1 to 4 cans of tennis balls.

### **Total Prices for Tennis Racket and Cans of Tennis Balls**

<b>Number of Cans of Tennis Balls</b>	<b>Total Price With Racket</b>
<b>1</b>	<b>\$ 43</b>
<b>2</b>	<b>\$ 46</b>
<b>3</b>	<b>\$ 49</b>
<b>4</b>	<b>\$ 52</b>

- Based on the prices in the table, what is the total price for one tennis racket and 6 cans of tennis balls? Show or explain how you got your answer.
- Based on the prices in the table, what is the price for one tennis racket? Show or explain how you got your answer.
- Write an expression that can be used to find the total price for one tennis racket and  $b$  cans of tennis balls. Explain your reasoning.
- Gerald purchased one tennis racket and  $b$  cans of tennis balls. The total price of his purchase was \$70. How many cans of tennis balls did Gerald purchase? Show or explain how you got your answer.