Name _____ Date _____ Period _____

**Directions:** Answer each question on a separate sheet of paper. TRY EVERY QUESTION!!! If you cannot figure out how to solve the problem, write a specific question that might help you to understand the problem.

1. a) Complete the table:

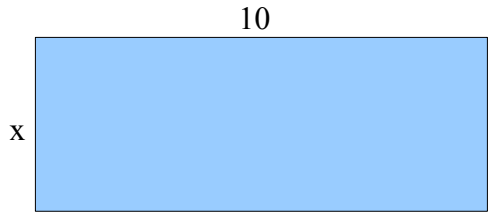
| | $x = 0$ | $x = -2$ | $x = 4$ |
|---|---|---|---|
| $-x + 5$ | | | |
| $x - 5$ | | | |
| $-(x + 5)$ | | | |
| $-x + (-5)$ | | | |
| $-x - 5$ | | | |
| $5 - x$ | | | |
| $-(x - 5)$ | | | |
| $-(5 - x)$ | | | |

b) What do you notice?

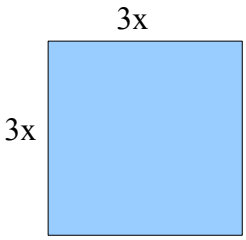
2. At the flea market Ron bought four boxes of computer disks and got a $2 discount on each box. He paid a total of $44. What was the original price of one box of disks?

3. Write an expression for the perimeter of the following rectangles. Then suppose the perimeter of each rectangle is 36. Find the length of the unknown sides:

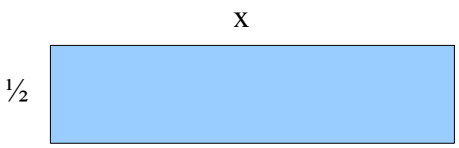
a)




b)




c)




4. I am thinking of a number. If I double the sum of my number and 8, then subtract 15, the result is 45. What number am I thinking of?