Practice 1-4

The relationships in the tables below are functions. Write a function rule for each.

1. Number of Baseball Teams | Number of Players Required
   1 | 9
   2 | 18
   3 | 27
   4 | 36

2. Number of CDs Purchased | Total Cost
   1 | $13
   2 | $26
   3 | $39
   4 | $52

3. Number of Homework Questions | Number of Minutes for Homework
   1 | 25
   2 | 30
   3 | 35
   4 | 40

4. Number of Rides Taken | Cost of Fair
   1 | $10.00
   2 | $12.50
   3 | $15.00
   4 | $17.50

Identify the independent and dependent quantity in each situation.

5. The amount of money earned babysitting increases with the number of hours spent babysitting.

6. The cost of a skating party increases with the number of people attending the party.

7. The volume of water in a bathtub decreases with the number of minutes it has been draining.

8. The number of people attending the event decreases with the total cost for tickets.

Complete each table. Then write a function rule for each relationship.

9. Number of Cases of Water | Number of Bottles of Water
   1 | 24
   2 | 48
   3 | 72
   4 |
   5 |

Function Rule:

10. Number of Minutes | Cost of Phone Call
    1 | $.60
    2 | $.70
    3 | $.80
    4 |
    5 |

Function Rule: