

Practice 4-3

Writing Rules for Linear Functions

Write a linear function rule for each situation. Identify the initial value and rate of change.

1. Amy sells tote bags at a craft fair for a day. She pays \$50 to rent a booth. The materials and labor cost on each tote bag is \$3.50. Her expenses for the day depend on how many tote bags she sells.

2. Ms. Watson receives a base pay of \$150 plus a commission of \$45 on each appliance that she sells. Her total pay depends on how many appliances she sells.

Write a function rule for the data in the table. Find the initial amount and rate of change.

3.

Number of Sessions, x	3	6	9	12
Cost for Music Lessons, y	115	205	295	385

4.

Number of People, x	2	4	6	8
Admission Price, y	28	56	84	112

Write a function rule for the data in the graph. Find the initial amount and rate of change.




