Name ___

Practice 4-3

Writing Rules for Linear Functions

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

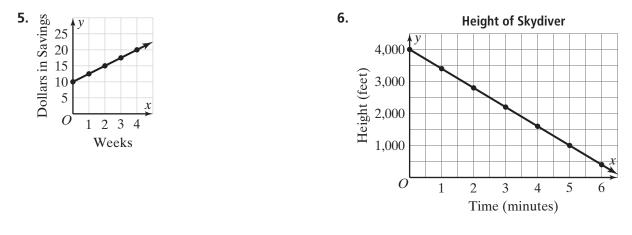
- 1. Amy sells tote bags at a craft fair for a day. She pays \$50 to rent a booth. The materials and labor cost on each tote bag is \$3.50. Her expenses for the day depend on how many tote bags she sells.
- **2.** Ms.Watson receives a base pay of \$150 plus a commission of \$45 on each appliance that 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, <i>x</i>	3	6	9	12
	Cost for Music Lessons, y	115	205	295	385

4.	Number of People, <i>x</i>	2	4	6	8
	Admission Price, <i>y</i>	28	56	84	112

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



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