

Practice 3-4

Linear Functions

Determine if the function represented by the table is linear. Explain.

1.

x	3	5	7	11
y	6	9	12	18

2.

x	-4	-1	5	12
y	3	7	15	23

3.

x	6	0	-9	-12
y	-2	8	23	28

4.

x	-1	5	12	18
y	72	12	2	0

5.

x	84	5	-1	-4
y	1	-1	-5	-9

6.

x	25	15	0	-10
y	16	8	-4	-12

Determine whether the data for each function are *discrete* or *continuous*. Then make a table and graph for the function.

7. The function $I = 1.5h + 6$ represents the height (in inches) of water in a pool that contained 6 inches of water before the refilling began.

8. The function $c = 2.25b - 0.5$ represents the cost (in dollars) of b beverages at a snack bar after using a coupon.
