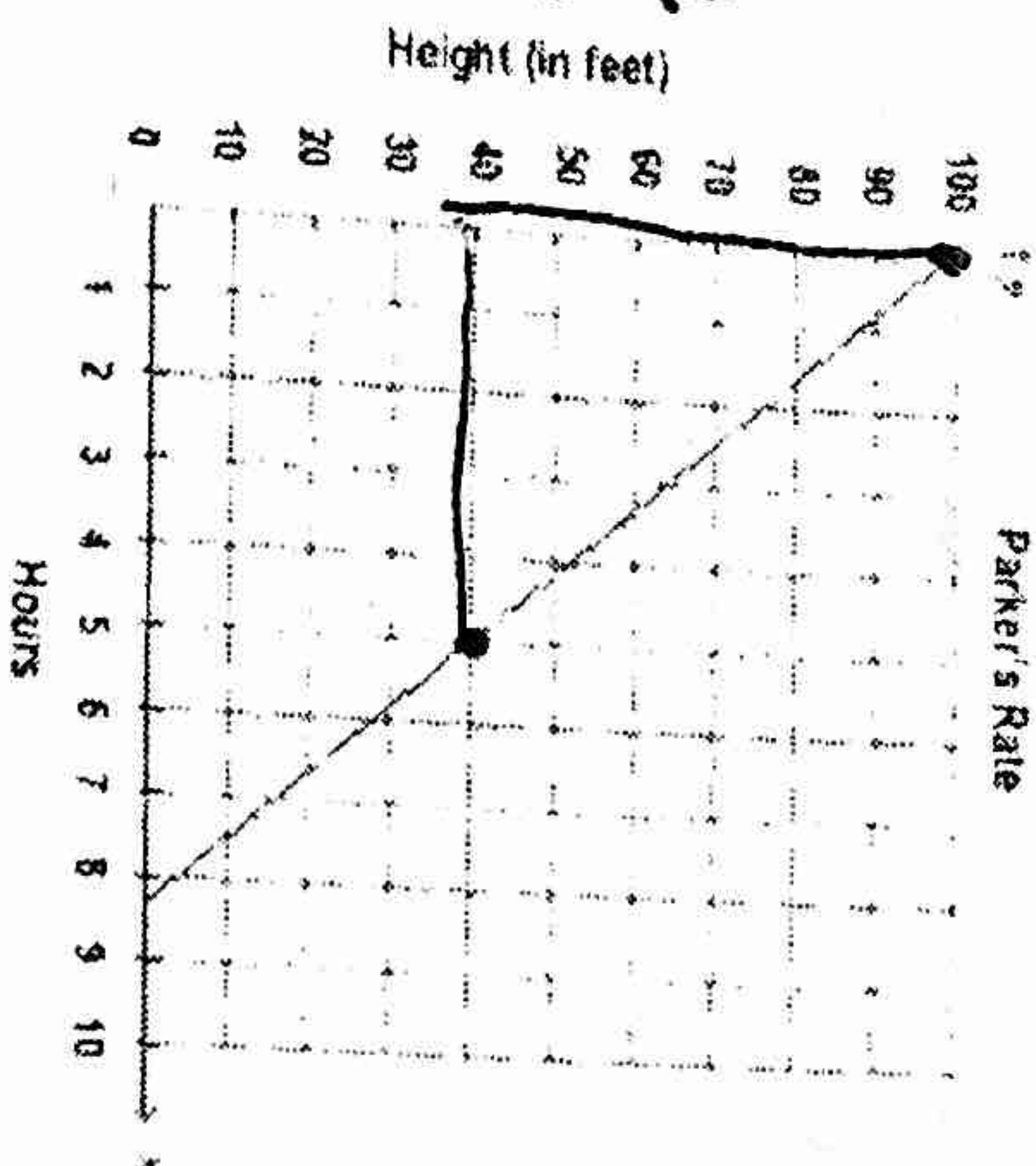


6. Kaley and Parker climbed down a mountain. Kaley descended the mountain at a rate of 8 feet per hour. The graph shows the rate at which Parker descended the mountain.

Compare the functions' rates of change.

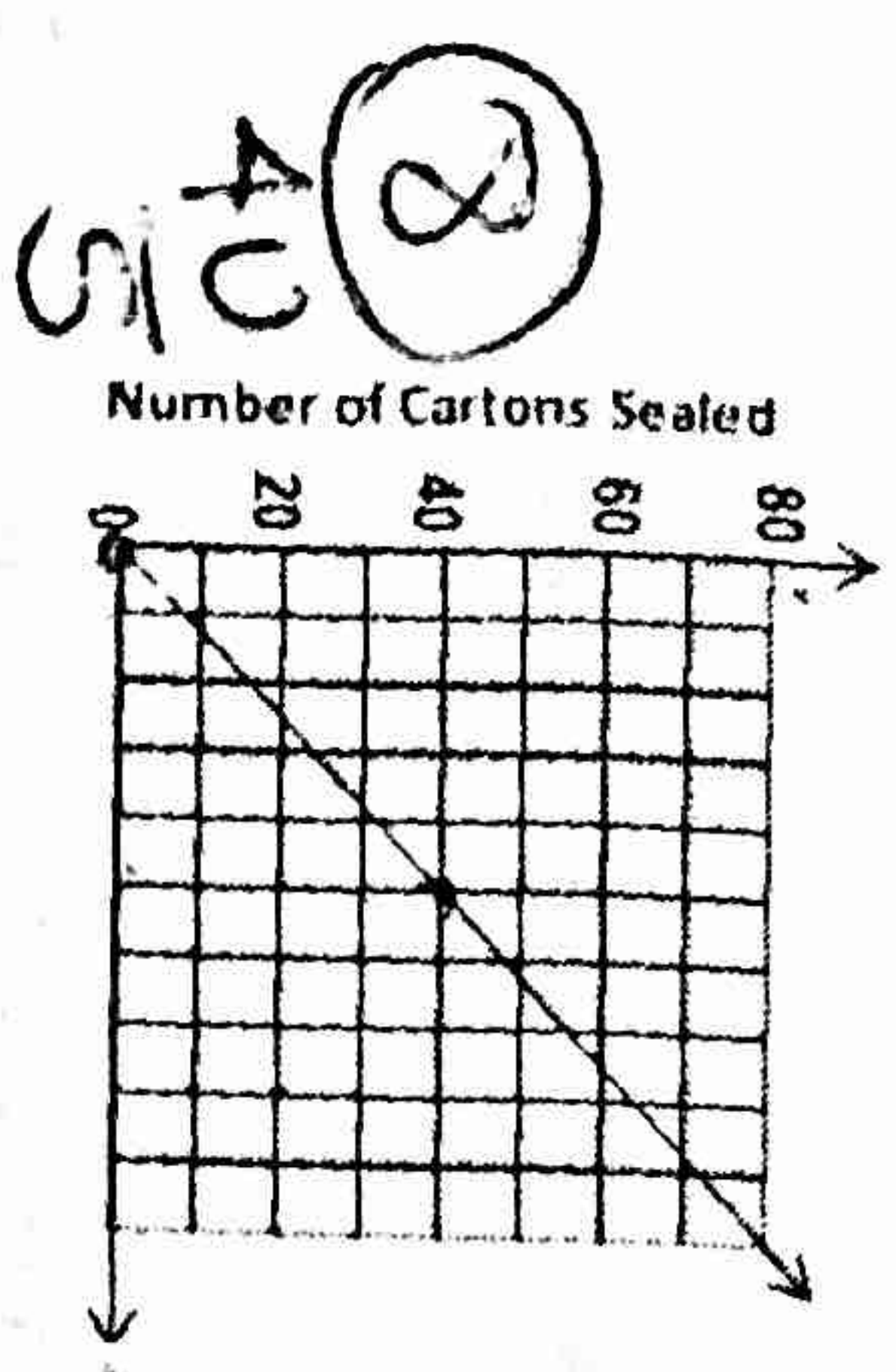


8

Parker descended quicker

7. The graph and table show the number of cartons that two machines seal in different intervals of time.

Machine A



Machine B

Time (in minutes)	Number of Cartons Sealed
3	39
4	52
5	65
6	78

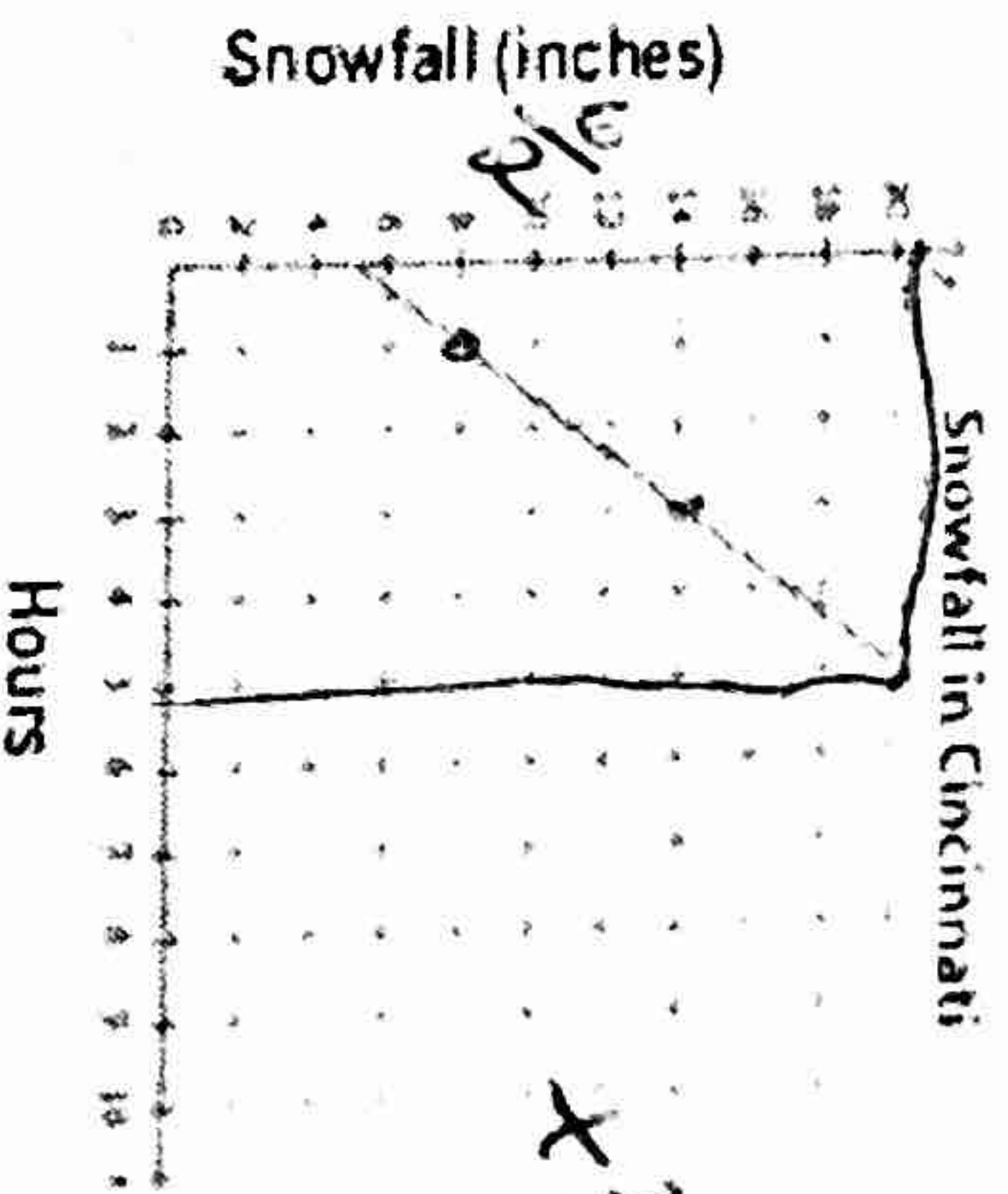
Which statement is correct?

- A. Machine A and Machine B will seal the same number of cartons in 8 minutes.
- B. Machine A and Machine B will seal the same number of cartons in 10 minutes.
- C. The rate at which Machine A seals the cartons is less than the rate at which Machine B seals the cartons.
- D. The rate at which Machine A seals the cartons is greater than the rate at which Machine B seals the cartons.

13
13
13

8. The table and graph show the first 3 hours of snowfall in New York and the first 5 hours of snowfall in Cincinnati. If the snow in New York continues to fall at the same rate, which city will have more snowfall after 5 hours? Justify your response.

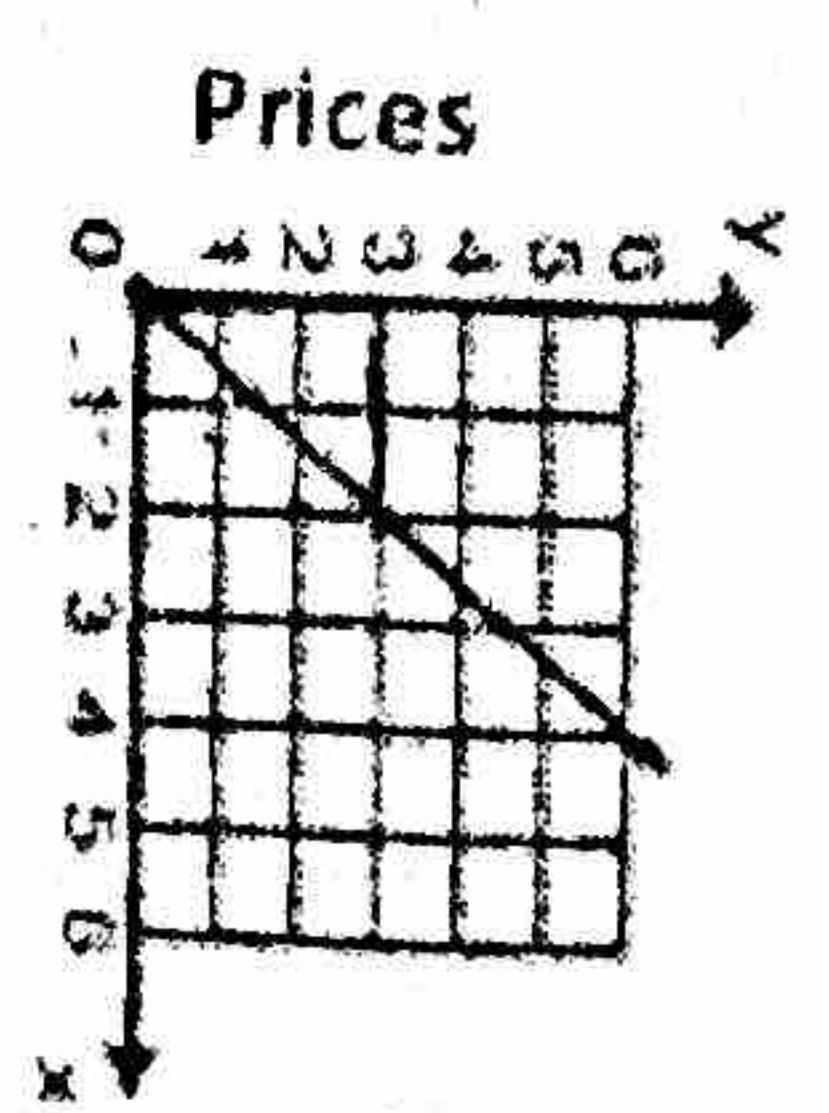
Hours	Snowfall (in)
1	5
2	10
3	15



4 20
5 25
K N

9. Karan has attended his school's annual carnival two years in a row. This year's ticket prices for the rides are shown in the table. Last year's ticket prices are shown in the graph. Compare the ticket prices from the table with the ticket prices from the graph. What is the difference between this year's price and last year's price?

Tickets	1	2	3	4
Prices (5)	2	4	6	8

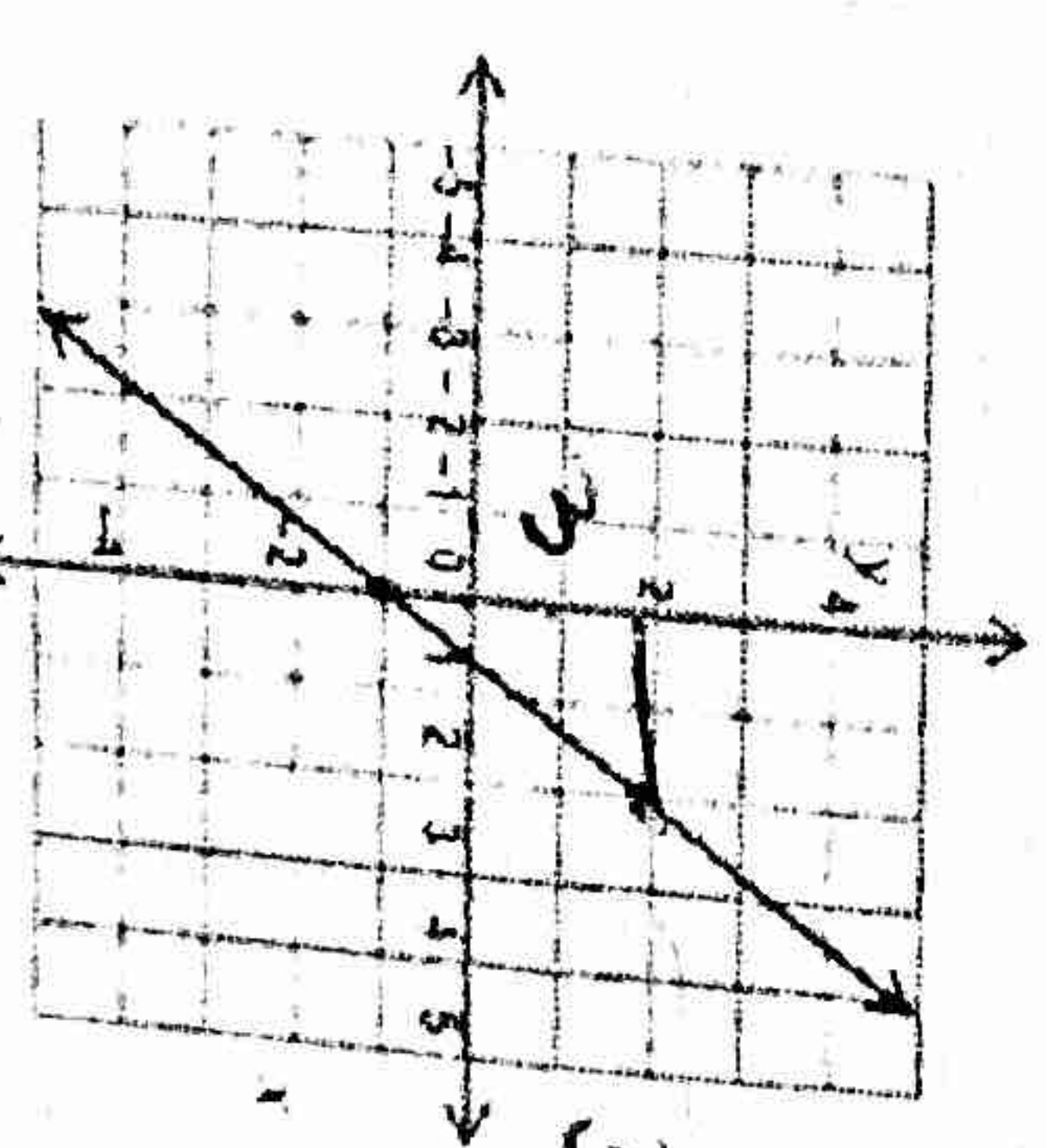


Compare the table of values of Function 1 and the graph of Function 2.

Function 1:

x	y
-3	4
0	6
3	8

Function 2:



Went up 50 cents
3 + 1.5 = 4.5

2 years greater rate of change
Which function has the greatest rate of change?

2/3

3/2