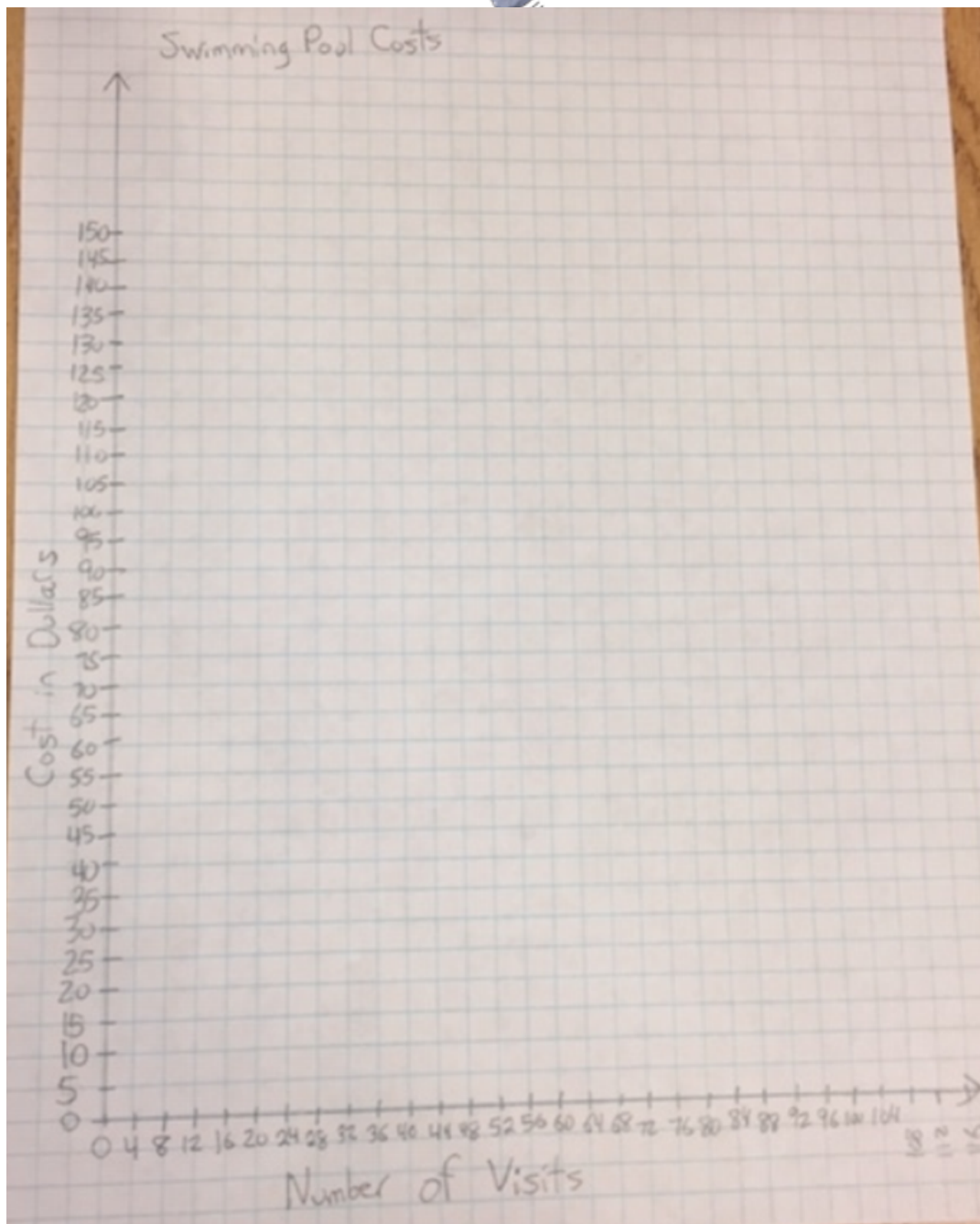


Challenge B: To use the pool at the Columbus Recreation Center, guests must pay one annual membership fee and then another small fee each time they swim. Jeff and his five friends kept track of how many times they visited the pool in one year and how much money they each spent.

Number of Visits	Cost (dollars)
18	\$53
29	\$65
100	\$135
84	\$119
62	\$97
114	\$149

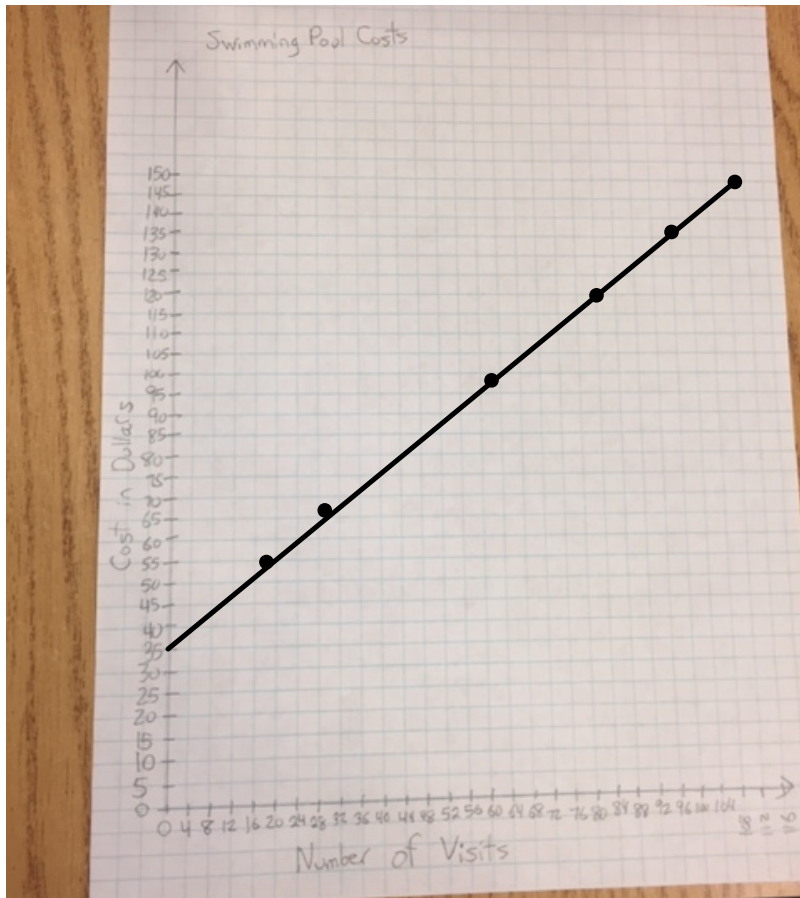


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Graph your points.

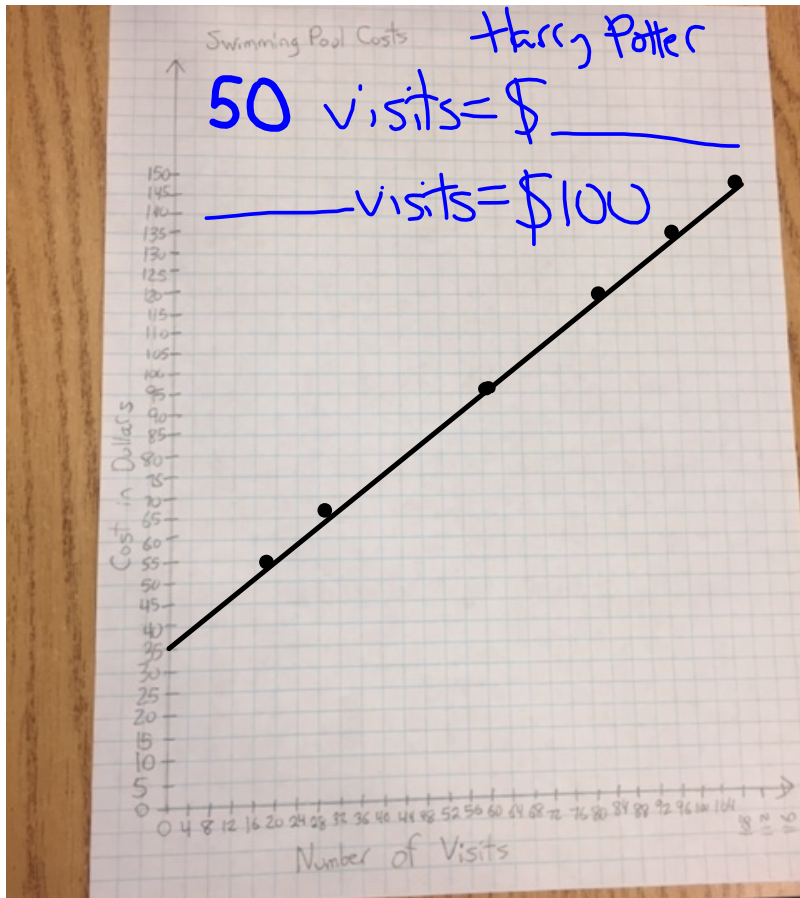


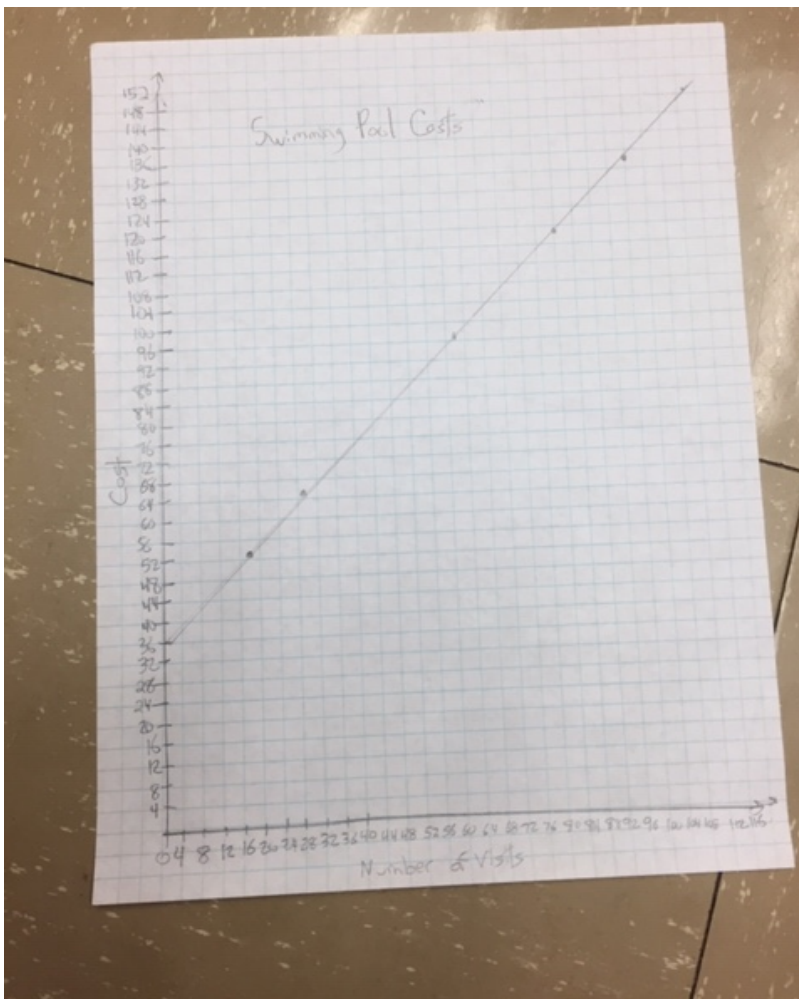
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50 | ~\$84.
 ~64 visits | \$100





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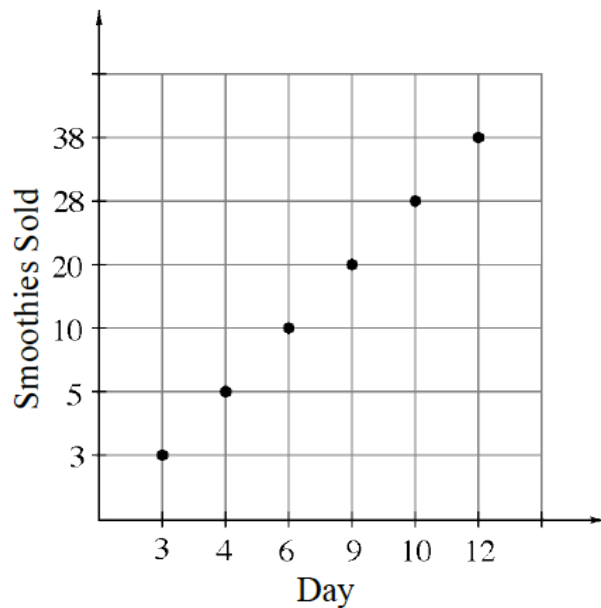
What is the membership fee?

~35\$

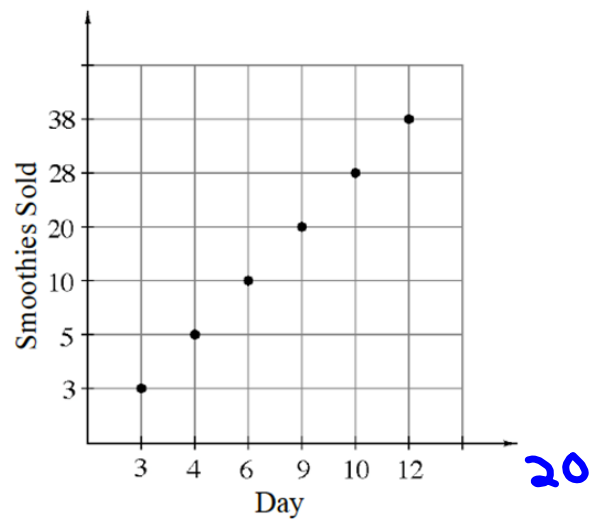
Andre works in his family's juice shop. He has invented the new Mathberry Madness smoothie, and word is getting around. He wants a graph showing how many new smoothies have been sold throughout the first month. He has gone through the cash-register records and gathered the data for some of the first 12 days, shown in the table at right.

Day	Smoothies Sold
3	3
4	5
6	10
9	20
10	28
12	38

He wants to graph his data and use it to predict approximately how many Mathberry Madness smoothies he can expect to sell by Day 20. He has started the graph below right.



Day	Smoothies Sold
3	3
4	5
6	10
9	20
10	28
12	38



Examine Andre's graph. Can you use it to predict how many smoothies would be sold by Day 20? Why or why not? **NO** because he did not use a consistent pattern to number his scales (Days and Smoothies).

