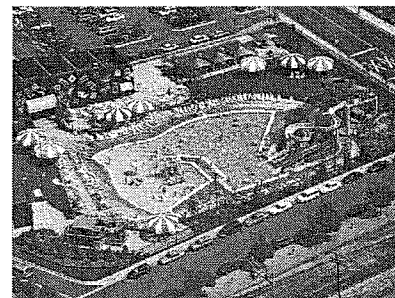


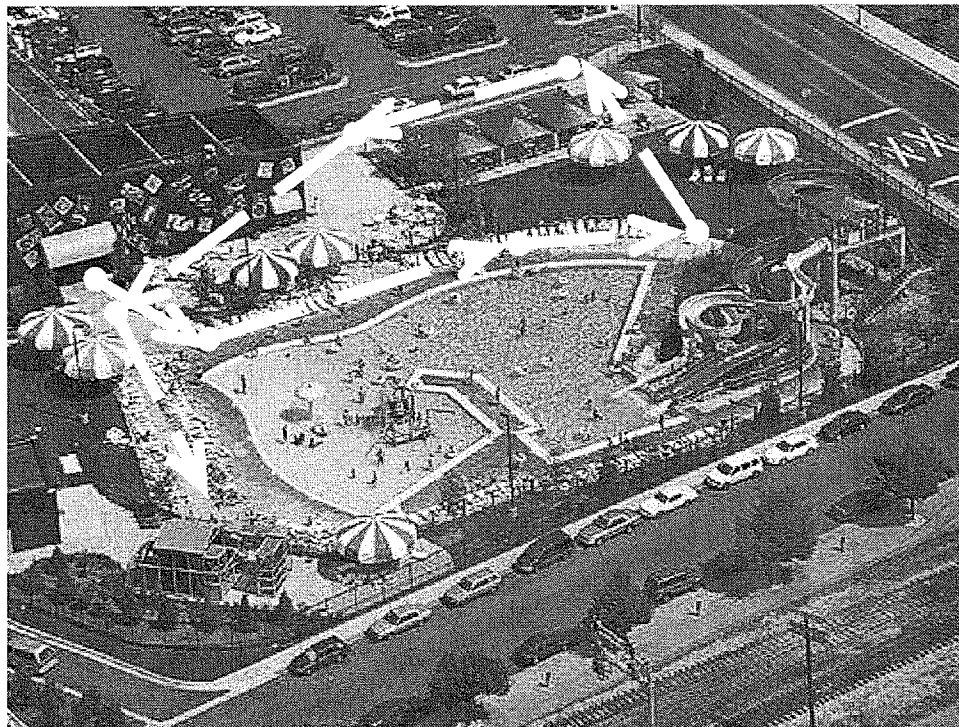
5.7 A Water Function

A Develop Understanding Task

Andrew walked around the water park taking photos of his family with his phone. Later, he discovered his phone was missing. So that others could help him look for his lost phone, he drew a picture that 'retraced his steps' showing where he had walked.



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If we wanted to determine Andrew's location in the park with respect to time, would his location be a function of time?

Why or why not? Explain.

1. Situation A: Sketch a graph of the total distance Andrew walked if he walked at a constant rate the entire time.
2. Situation B: Sketch a graph of Andrew's distance from the entrance (his starting point) as a function of time.
3. How would the graph of each situation change if Andrew stopped at the slide for a period of time? Would this change whether or not this situation is a function?

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