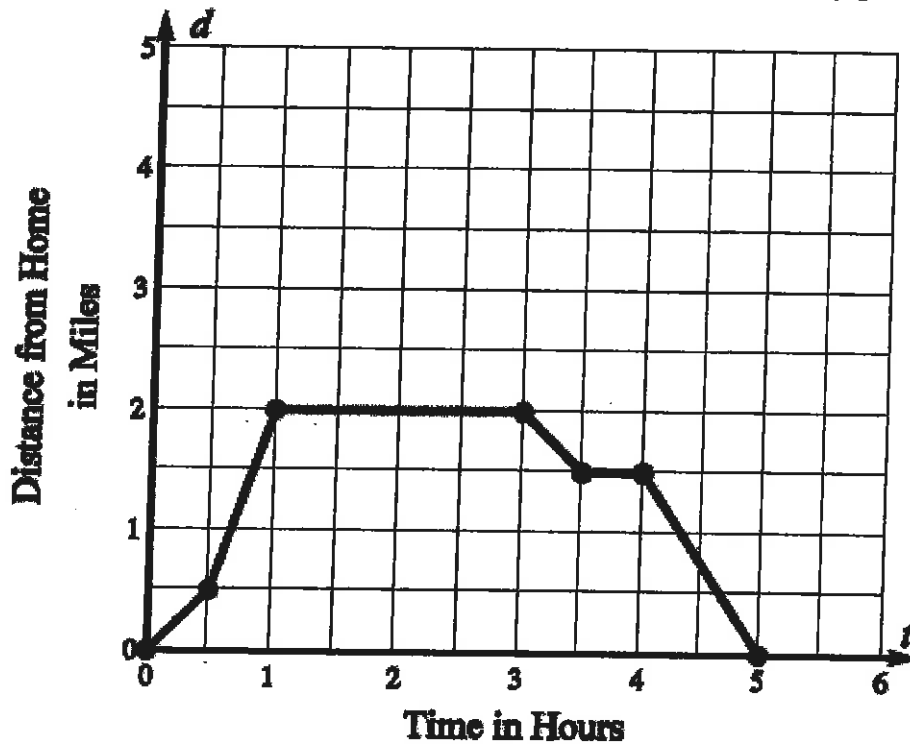


WATERPARK!!!!

This graph represents Abby's and her sister's distance from home at any given time.



Complete the sentences that describe their walk along the road.

- Abby and her sister decided to walk from their home to the water park, which is ___ miles away
- When the girls left their house, they first walked at a constant rate of ___ miles(s) per hour from the house toward the park
- After 30 minutes, they decided it was taking them too long to reach the park, so they increased their speed to a constant rate of ___ mile(s) per hour.
- When they reached the park, they spent ___ hour(s) swimming with their friends.
- When they first left the park to return home, they walked at a constant rate of ___ mile(s) per hour.
- After ___ hour(s), they decided to stop for lunch.
- After lunch, they finished their walk back home at a constant rate of ___ mile(s) per hour.

Brandy's House Situation

The following weekend, the girls go to Brandy's house. Since she lives 4 miles from their house so they decide to ride their bikes.

Time in hours	0	0.5	1	3	3.5	4	5
Distance from home in miles	0	1	4	4	3	3	0

- Draw this new scenario using
- Write, in function notation, this graph.

- How did the graph change from the original?

- Using Abby's ordered pairs (t,d) , write the ordered pairs that represent this trip based on Abby's original.

Brandy's Situation

Brandy, a friend of Abby's, wanted to join the girls at the water park. She lives 4 miles from Abby's house on the same flat, straight road. The water park is between their houses.

Brandy's time in hours	0	0.5	1	3	3.5	4	5
Distance from Abby's house in miles	4	3.5	2	2	2.5	2.5	4

- Draw this new scenario using
- Write, in function notation, Brandy's graph.
- How did the graph change from the original?
- Using Abby's ordered pairs (t,d) , write the ordered pairs that represent Brandy's trip based on Abby's original.