Mr. Powder Algebra 1

Ditto 2 Name:

1. Choose the graph of distance as a function of time that matches each situation.

 A. Riding a Ferris Wheel (the rider’s distance from the ground)

 B. Running sprints (the distance from the starting point)

 C. Earth and Sun (Earth’s distance from Sun)

 D. Space shuttle flight (the space shuttle’s distance from Earth)

 E. Riding an elevator to the top floor (the rider’s distance from the groud)



2. Which graph cannot be a graph of distance as a function of time?

3. For each graph you did not choose, describe the motion and give a situation that matches the graph.

Match the story to the graph that models the situation.



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| Sara walks from her home to the store. Halfway to the store, she realizes that she forgot to bring money, so she turns around, returns home, gets her money, and walks all the way to the store. |
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| Rashid is jumping on a trampoline. |
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| Kendra is speeding along the highway at a constant rate by a police officer. The officer gives her a ticket and then she continues on her way going the speed limit. |
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| Carlos lives in a large city and travels to school on a local bus that stops at every block to let passengers on and off. |

