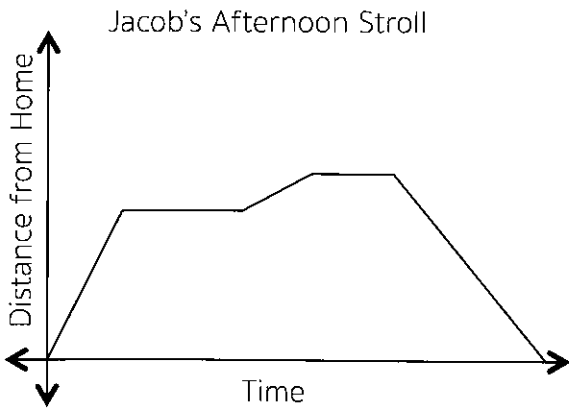


Group A

Activity 1: Analyzing Graphs

Describe what is happening in the graph below. Be sure to address where the function is increasing, decreasing, or staying the same and the various degrees of steepness.



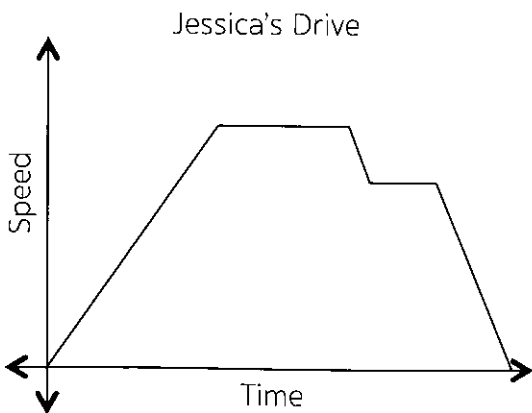
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Name: _____ Class: _____ Date: _____

Group B

Activity 1: Analyzing Graphs

Describe what is happening in the graph below. Be sure to address where the function is increasing, decreasing, or staying the same and the various degrees of steepness.



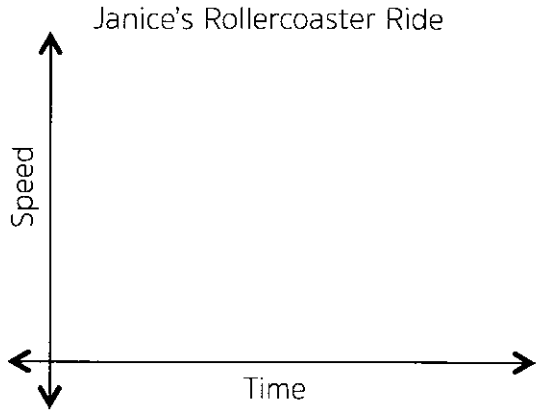
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Group A

Activity 2: Sketching Graphs

Sketch a graph to model the scenario below. Be sure to address where the function is increasing, decreasing, or staying the same and the various degrees of steepness.

The rollercoaster starts up with a jolt then begins to climb the first hill. Janice soars down the first hill, then climbs a second smaller hill. The rollercoaster makes its way down that hill, gradually slows around a series of turns, then stops at the end of the ride.



Name: _____ Class: _____ Date: _____

Group B

Activity 2: Sketching Graphs

Sketch a graph to model the scenario below. Be sure to address where the function is increasing, decreasing, or staying the same and the various degrees of steepness.

The antique car starts up with a quick jolt. Joey makes his way at a steady pace. The car stops suddenly because Joey caught up to the car in front of him. Finally, the car speeds up to a pace slower than before, then reaches the final stop.

