Name _

FUNCTION CARNIVAL RATE GRAPHS

Go to student.desmos.com and do the Desmos activity called Function Carnival.

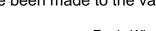
- 1. Here are some student sketches of the Cannon Man graph, the Bumper Car graph, and the Ferris Wheel graph. Maybe you did a better job than these students.
 - a. Which of these could be the graph of a function? Explain.
 - b. Which of these graphs show increases? Decreases? Explain.
 - c. Which of these graphs appear to be linear? Nonlinear? Explain.

Cannon Man (height off ground vs time)

Cannon Man

(height off ground vs time)

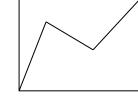
Bumper Car (distance traveled vs time) Ferris Wheel (height off ground vs time)

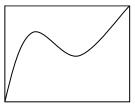


Ferris Wheel (height off ground vs time)

3. Look at the following two graphs below. Describe how they are different. Describe how they are the same. Use vocabulary like on **Practice 5** in **Packet 4**.

4. Make up the same scale for the axes in the graphs above and estimate appropriate ordered pairs for each graph (like on **Practice 5** in **Packet 4**).







Bumper Car

(distance traveled vs time)



Period Date