Creating and Graphing Multi-Variable Equations

Name: _____ Class Period: _____

Decision Making

A new amusement park just opened in Albany called "Crazy Adventures." The park offers its customers two admission options to choose from:

Option 1

Customers pay $6 to enter the park and $2 per ride they go on.

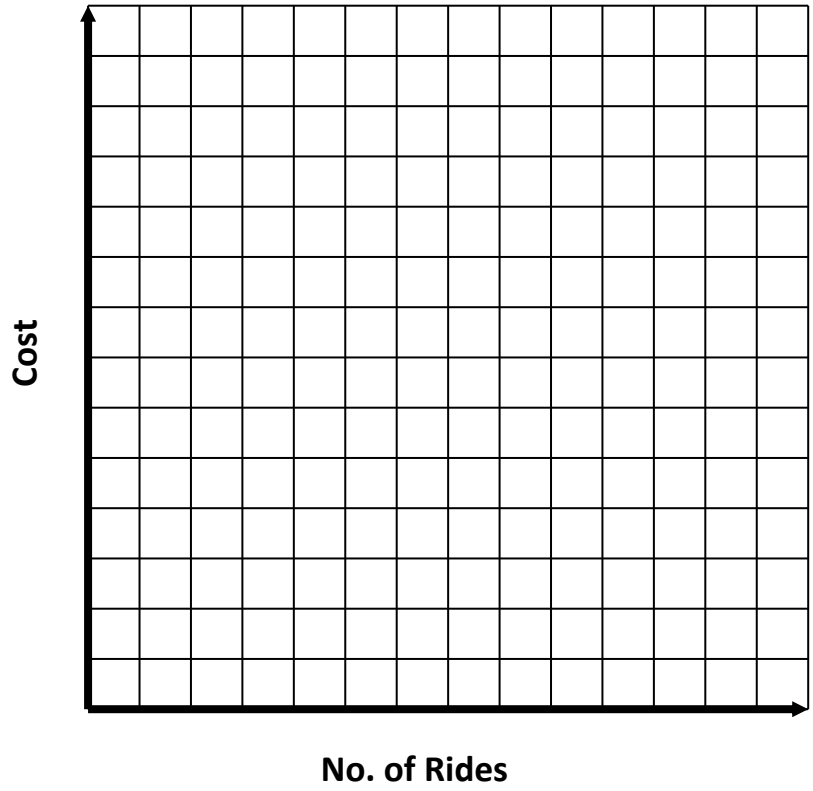
Option 2

Customers pay $2 to enter the park and $3 per ride they go on.

1. For each option, state the y-intercept and slope, and write an equation to describe the situation where y is the total cost and x is the number of rides the customer goes on.

	Option 1	***Option 2***
y-intercept		
slope		
equation		

2. Graph both equations on the grid below:



3. How much would it cost a customer for each option to go on:

# of Rides	***Option 1***	***Option 2***
0 rides		
3 rides		
4 rides		
5 rides		

4. Based on the number of rides you would go on, which admission plan would you choose? Explain.