Linear Equations

You are taking a trip to an amusement park. There is a $5 entrance fee per person and every ride costs $3 to ride each time.

On your white board

1. Define the variables.
2. Represent the given situation as a linear equation.
3. Represent the given situation as a graph with axis labeled and named.
4. Represent the given situation as a table with 5 x values.
5. Write your equation using words.

Questions to ask to redirect or lead

* How many times are you charged for parking?
* How many times will you be charged $3?
* Once you are in the park what do you have control of?

Questions to ask as follow up

* What does the slope mean?
* How could you predict cost for 10 rides?
  + Would it be easier to use your table to predict this? Equation? Graph?
* Why is the graph only in the first quadrant?
* Explain the situation that would go with the ordered pair (0,5)
* What is the dependent variable and what is independent?