Unit 3 Graphing Stories Project Name_____

Objective: to create a video that could be used as a "Graphing Story". You will also create a graph to match your video.

Why: This helps you to understand functions and all their components. (8.F.5 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.)

How: you will record a video on a device that models a situation that can be graphed as a function. This must be an original idea. After recording the video, you will construct the graph that matches. The graph must completely labeled with appropriate scales. **YOU WILL EMAIL THE VIDEO TO COACH ANSELMI WHEN COMPLETED!!!!**

Your email should include your " Your Name - Graphing Stories Project" in the subject line.

When: DUE NOVEMBER 1ST!

What else: Your answer key must also have all the following parts labeled and identified- Type of function, Domain, Range, Intervals of increasing, Intervals of decreasing.

Steps to Success:

1) Record a video (no longer than 15 seconds, no shorter than 10)
2) Create an answer key with all parts labeled: x-axis, y-axis, title, domain, range, type of function, intervals of increasing, intervals of decreasing.
3) Check rubric to make sure you have ALL requirements for this project.
4) Email video to kelseyn.anselmi@cms.k12.nc.us
5) Turn in answer key before 4pm on November 1st.

Rubric

Category	Points	Total
Video: Represents an original thought and is a qualitative scenario.	____/10	
Answer Key: The graph is accurate depicting the scenario presented in the video.	_____/10	
Answer Key: The graph is labeled with x-axis, y-axis, title, domain, range, type of function, intervals of increasing, intervals of decreasing.	____/16	
Creativity and Appearance: The answer key is organized, easy to read, and neat.	_____/10	

Total:_____/46