CCSS Advanced Algebra 3   Graphing Stories Project

On the last couple of slides of Desmos: Graphing Stories, you were asked to create your own videos that could be used to create a graph. In this project, you will be using these videos (or you can create another one).

Your project will be a submission on Google Classroom (you can use the present tool or google doc) that includes the following:

- Your video with a description of the two variables that you are measuring in the video.
- An accurate graph of the relationship between the two variables in the video including a discussion of which variable is the independent variable and which is the dependent variable (you can create the graph in desmos or draw it by hand -- see http://learn.desmos.com/graphing/).
- A description of how the graph is increasing, decreasing and/or remaining constant in the context of the video.
- A discussion of the appropriate domain and range of the function representing the graph and what the domain and range tell you about the video.
- A description of at least one equation that could be solved using the graph and what the solution to this/these equation(s) tells you about the video.

Scoring Rubric:
7 = Graph that accurately represents the video with axes labeled and a thorough discussion of independent and dependent variables; complete and accurate discussion of changes in slope and what they describe about the video; complete, accurate and thorough discussion of domain and range in the context of the video; sophisticated and thoughtful use of graph to accurately solve an equation in the context of the video.

6 = Graph that accurately represents the video with axes labeled and a thorough discussion of independent and dependent variables; complete and accurate discussion of changes in slope and what they describe about the video; complete and accurate discussion of domain and range in the context of the video (lacking some thoroughness); thoughtful use of graph to accurately solve an equation in the context of the video.

5 = Graph that nearly represents the video with axes labeled and a correct discussion of independent and dependent variables; accurate discussion of changes in slope and what they describe about the video; accurate discussion of domain and range in the context of the video; appropriate use of graph to accurately solve an equation in the context of the video.

4 = Graph that closely represents the video with axes labeled and a correct discussion of independent and dependent variables; mostly correct discussion of changes in slope and what they describe about the video; mostly accurate discussion of domain and range in the context of the video; use of graph to accurately solve an equation in the context of the video.