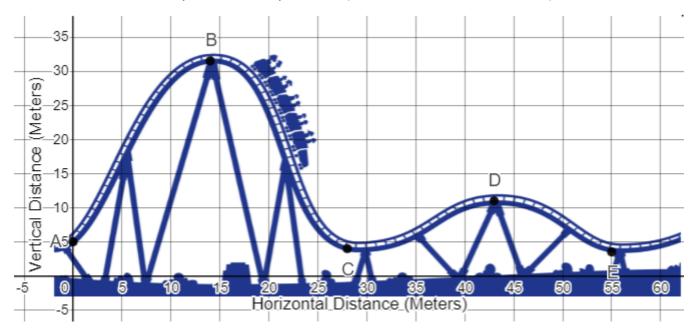
Function of a Ride

Below you will find a graph comparing the horizontal and vertical distances of a portion of the roller coaster track, with key points labeled. Consider the point **A** to be the beginning of the roller coaster track. Also consider curves that look like parabolas, are parabolas (assume the curves are smooth).



stakeholder management | Productivity Steps https://images.app.goo.gl/3sieQyMtH3sbWoRk6

View this graph in **Desmos**

1. What is the domain and range of the function?

Domain Range

2. Find the intervals where the function in increasing and decreasing.

Increasing

Decreasing

How did you find the intervals?

3. At what point on the coaster would you be going the fastest? The slowest? Explain why you chose these points.

Virginia Department of Education

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Slowest at

Fastest at