

# Graphing Derivative Functions

## *Introduction*

On the next pages, you will watch a video about graphing derivative functions and will then answer some questions about the video.

- The goal of this video is to learn how to graph the derivative of a function
- If you think about a graph as showing you position as a function of time, then the derivative will be velocity as a function of time
- You can split the graph into places where it is increasing, decreasing, concave up, and concave down to identify where the velocity is positive, negative, increasing, and decreasing
- When velocity is positive (or negative, increasing, or decreasing), the derivative will have positive y-values (or negative, increasing, or decreasing)