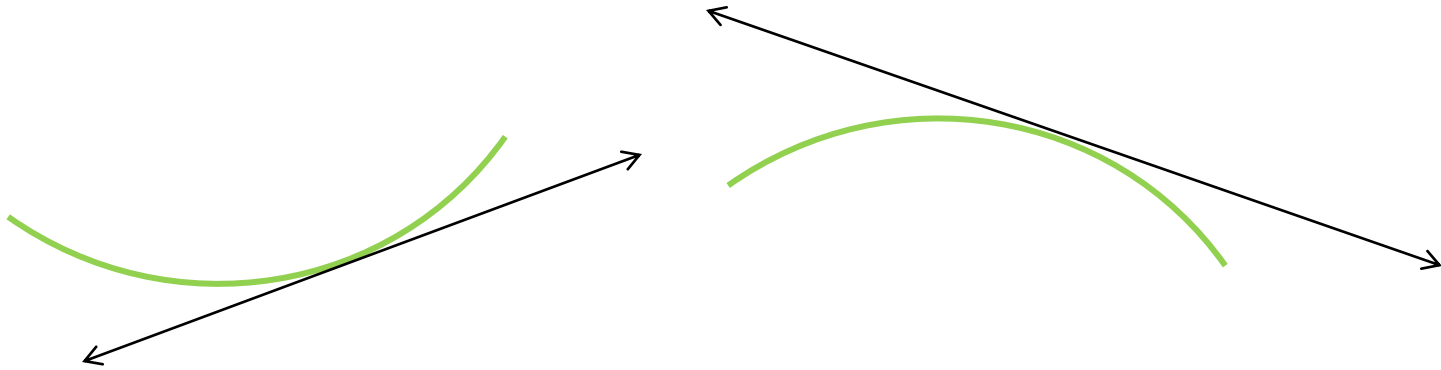




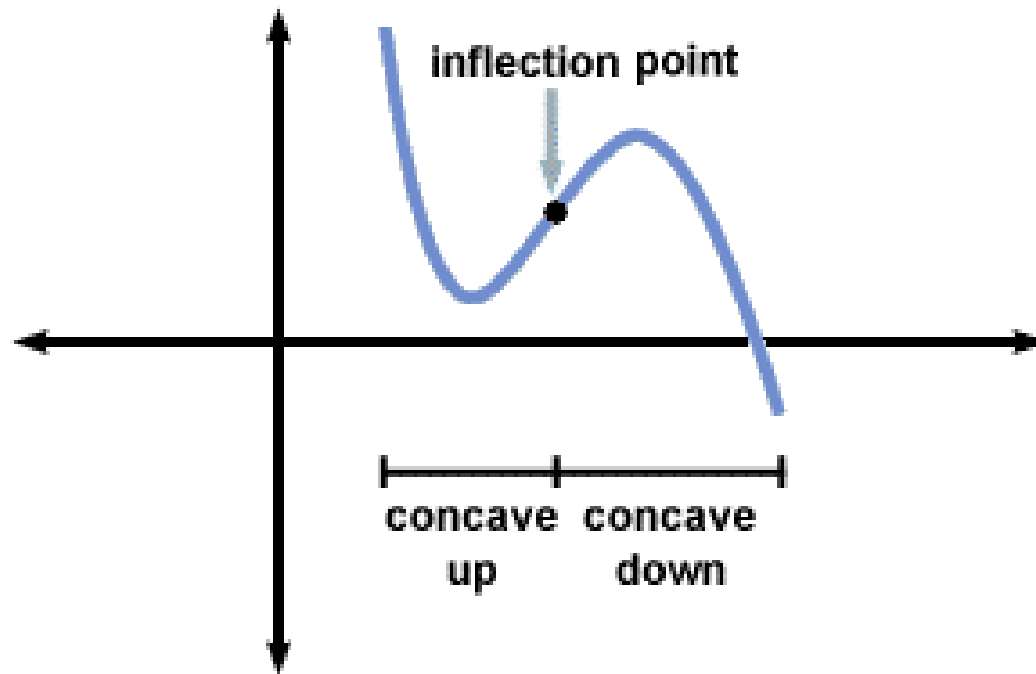
CONCAVITY AND INFLECTION POINTS

CONCAVITY

- If a graph lies above its tangent, it is concave up.
- If a graph lies below its tangent, it is concave down.



- A point where a graph changes concavity is called an inflection point.



- Increasing/Decreasing is not the same as concavity.

Decreasing and Concave up



Increasing and Concave up



Decreasing and Concave down



Increasing and Concave down



MONOTONIC FUNCTIONS

- If a function is always increasing or always decreasing on a given interval, it is called monotonic.

