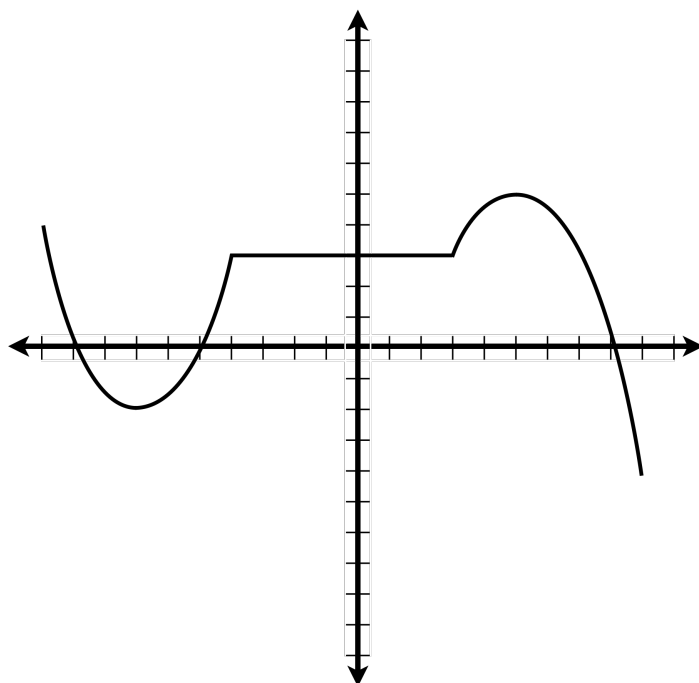


Local Maximum

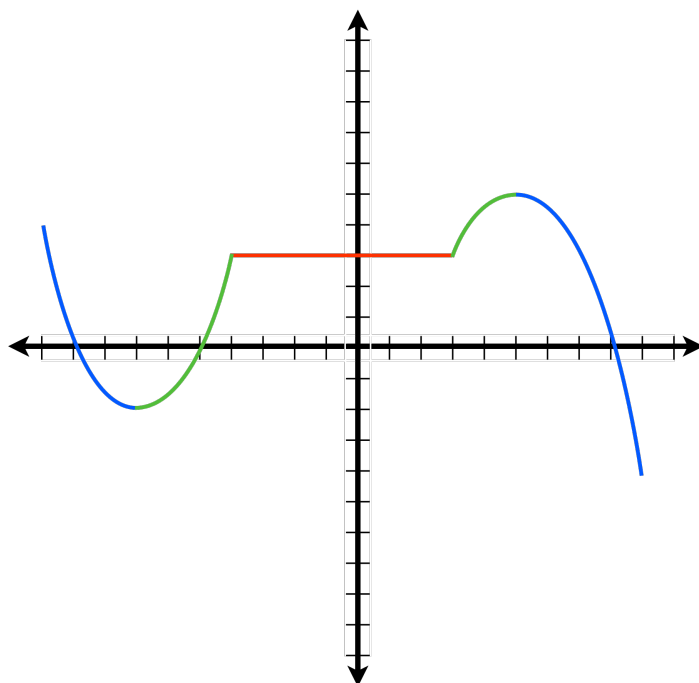
Local Minimum



Increasing Interval

Decreasing Interval

Constant Interval



Increasing Interval

an interval on $f(x)$,
where $x_1 < x_2$ and $f(x_1) < f(x_2)$.

Decreasing Interval

an interval on $f(x)$,
where $x_1 < x_2$ and $f(x_1) > f(x_2)$.

Constant Interval

an interval on $f(x)$,
where $x_1 < x_2$ and $f(x_1) = f(x_2)$.

