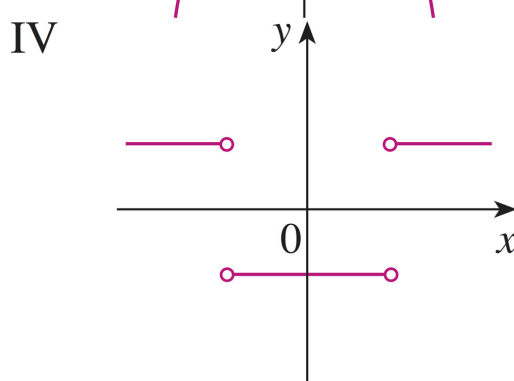
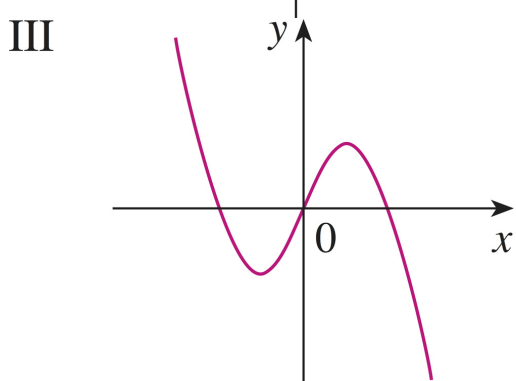
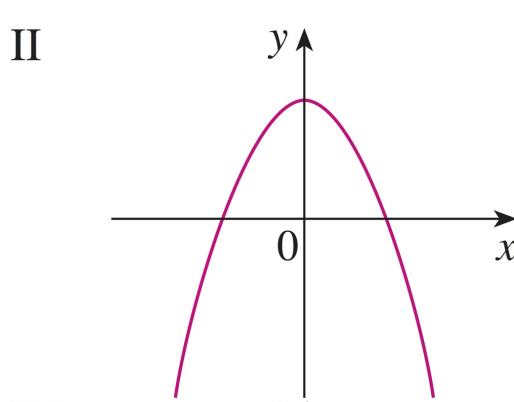
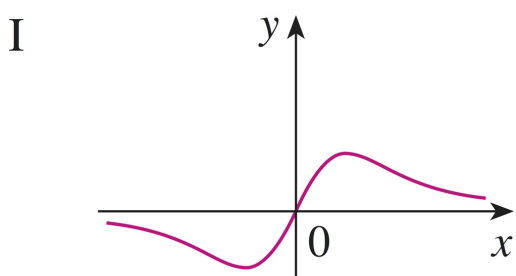
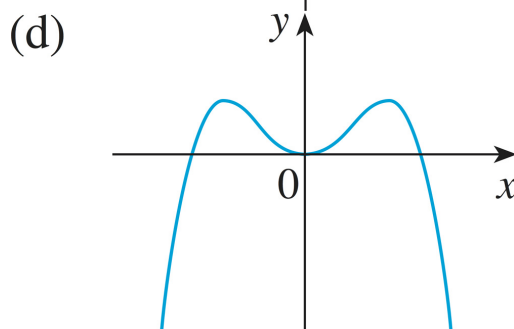
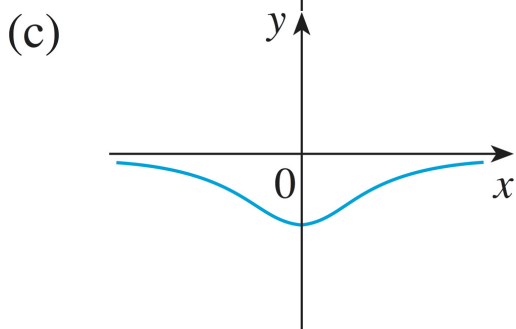
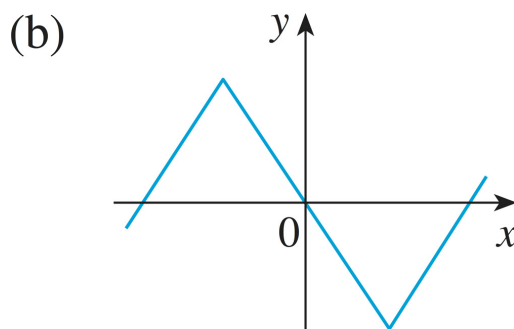
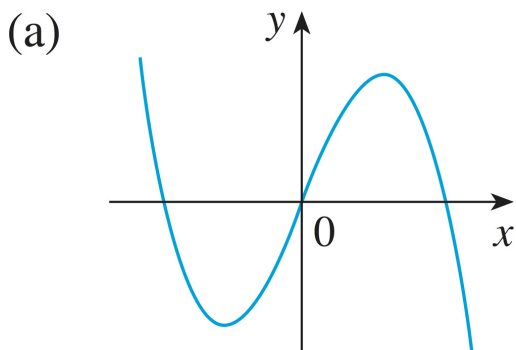


Name:

Sec. 2.8 - The Derivative function

Math 251

1. Match the graph of each function in (a) – (d) with the graph of the derivative I – IV. Give reasons for your choices.



2. Use the definition of the derivative to find the derivative of $f(x) = \frac{1}{\sqrt{x}}$. State the domain of $f(x)$ and the domain of the derivative.