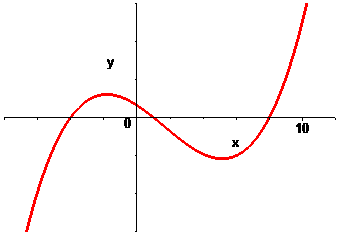
**Calculus and Graphs**

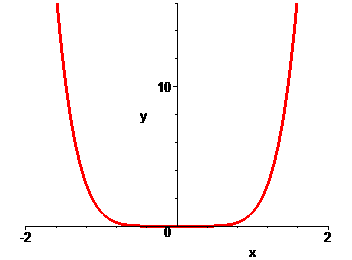
Consider the graphs below. For each function, make a rough sketch of the graph of its derivative and an antiderivative. More importantly, explain in detail exactly why the graphs must have the shape you drew.



**Graph of Derivative Explanation**

**Graph of an Antiderivative Explanation**

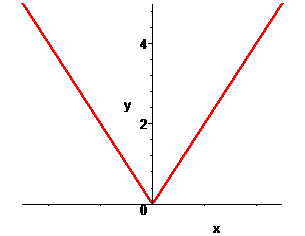
Consider the graphs below. For each function, make a rough sketch of the graph of its derivative and an antiderivative. More importantly, explain in detail exactly why the graphs must have the shape you drew.



**Graph of Derivative Explanation**

**Graph of an Antiderivative Explanation**

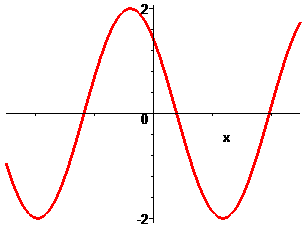
Consider the graphs below. For each function, make a rough sketch of the graph of its derivative and an antiderivative. More importantly, explain in detail exactly why the graphs must have the shape you drew.



**Graph of Derivative Explanation**

**Graph of an Antiderivative Explanation**

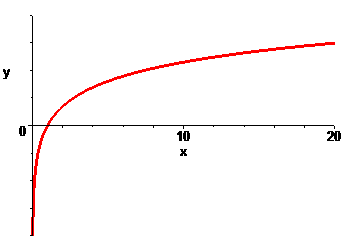
Consider the graphs below. For each function, make a rough sketch of the graph of its derivative and an antiderivative. More importantly, explain in detail exactly why the graphs must have the shape you drew.



**Graph of Derivative Explanation**

**Graph of an Antiderivative Explanation**

Consider the graphs below. For each function, make a rough sketch of the graph of its derivative and an antiderivative. More importantly, explain in detail exactly why the graphs must have the shape you drew.



**Graph of Derivative Explanation**

**Graph of an Antiderivative Explanation**