

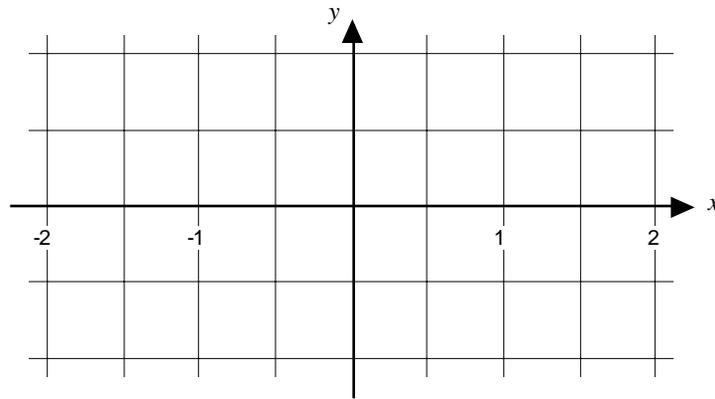


## **In Class Exercises (ICE) - 10/18/00**

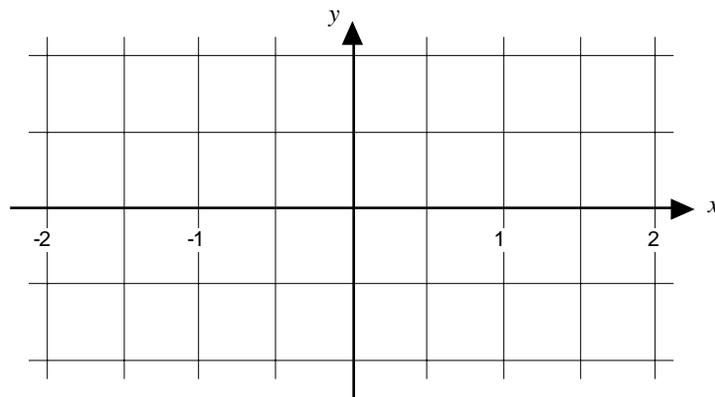
- **Use the definition of the derivative to find the derivative of the function:**

$$f(x) = x(x + 1)(x - 1).$$

- **Use the axes provided below to sketch a graph of :  $y = f(x)$ .**



- **Use the axes provided below to sketch a graph of the derivative of  $f(x)$ .**



- **How do the features of the graph of  $f(x)$  and the features of the graph of the derivative match up?**