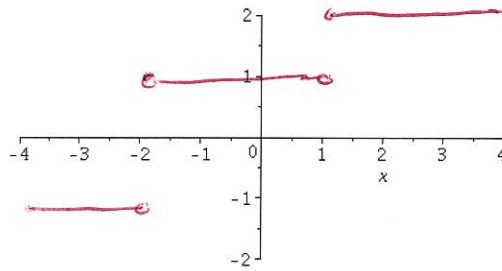
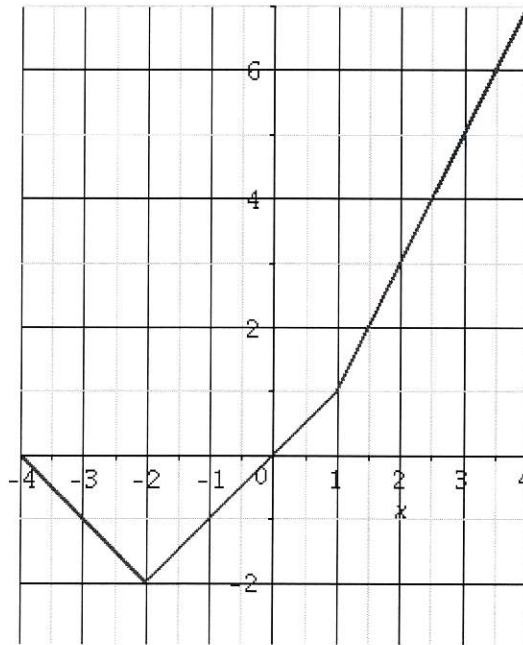


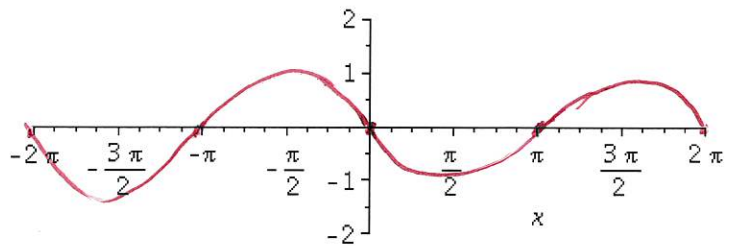
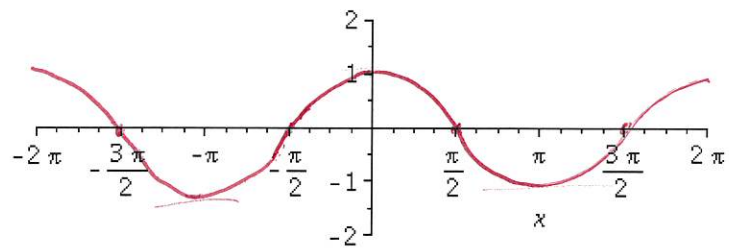
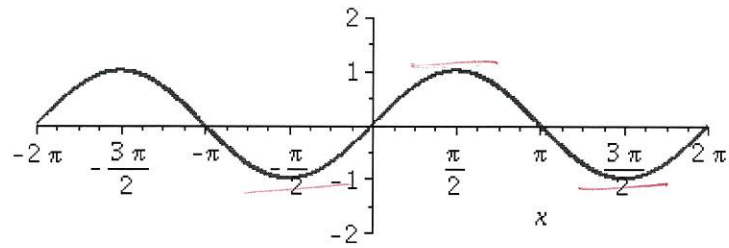
Name:

~~For each graph below, sketch a rough graph of its first derivative.~~

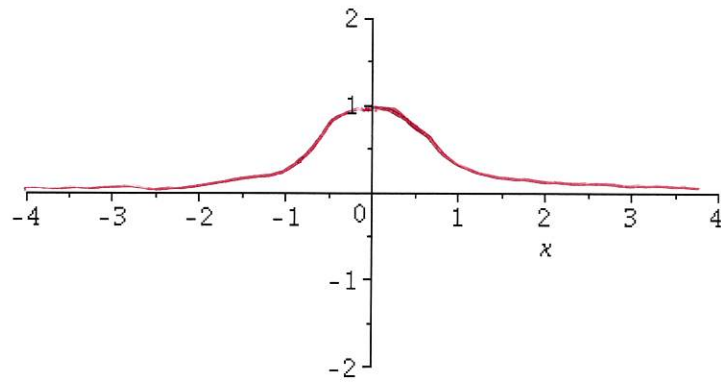
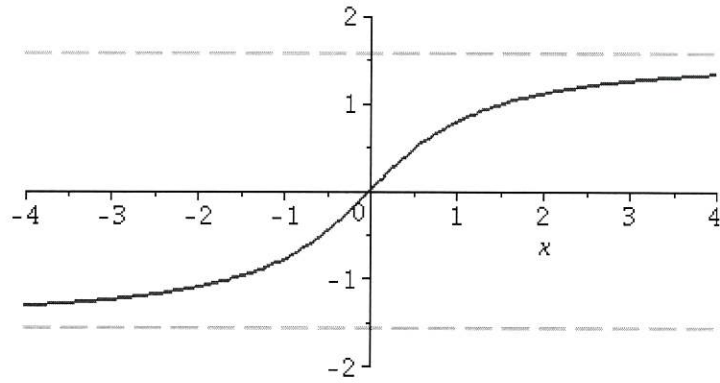
1. Sketch a rough graph of the first derivative of the function graphed below.



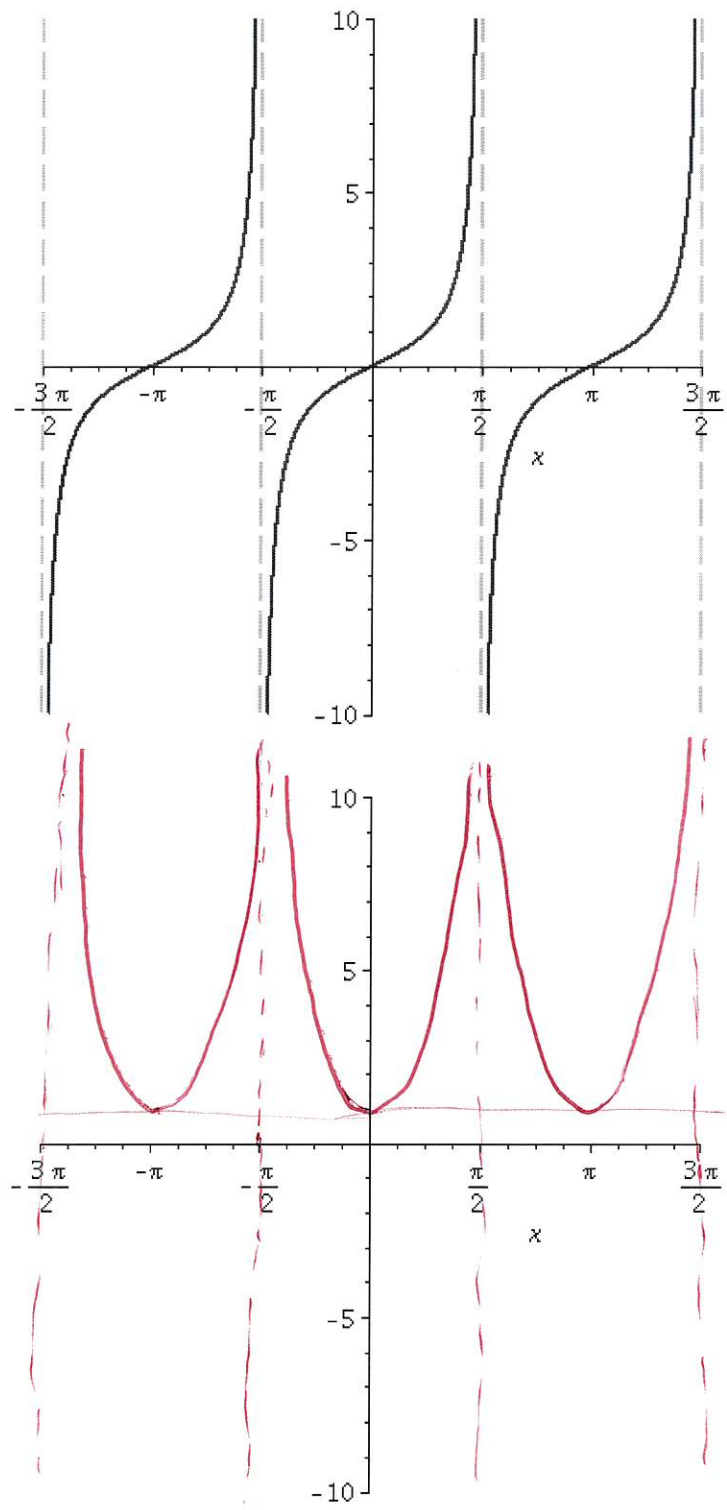
2. For this one graph the first derivative and then the second derivative.



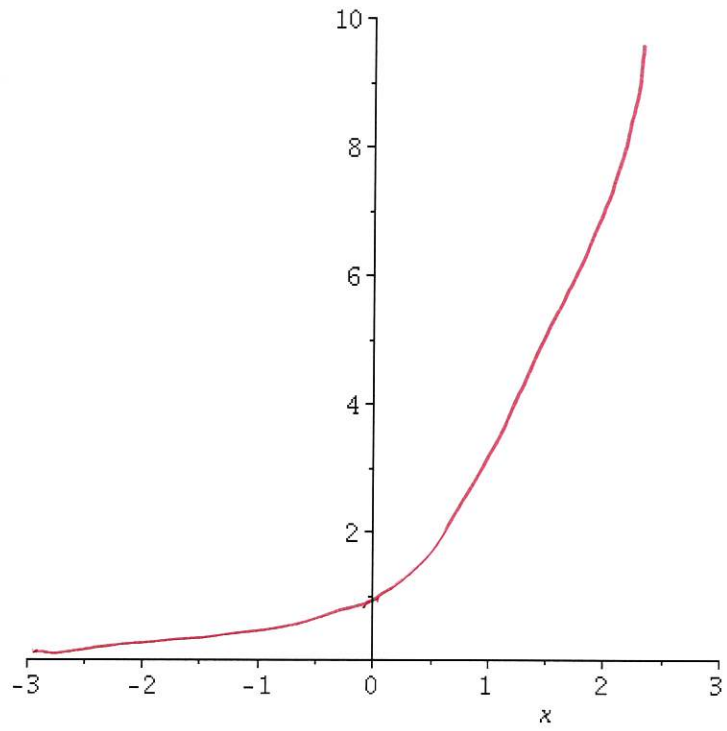
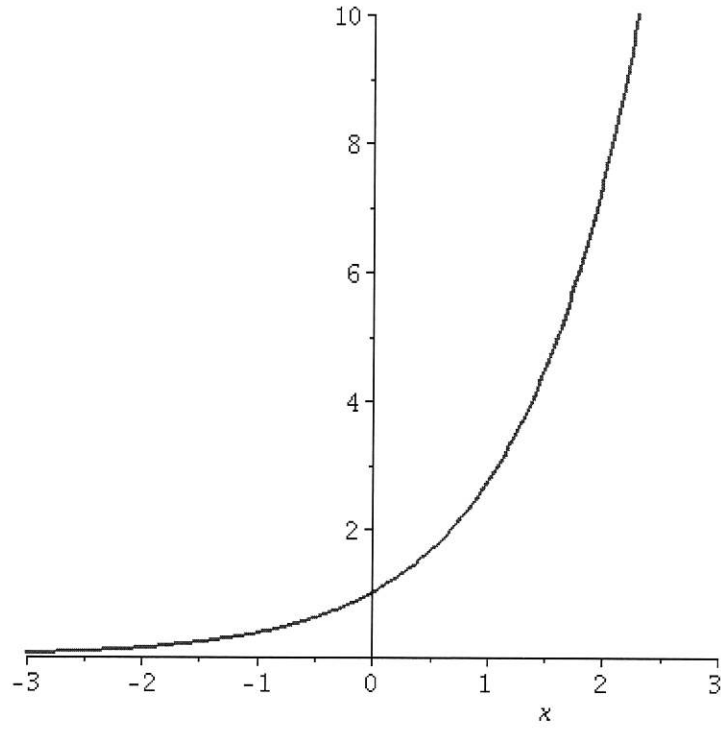
3. This is a the graph of $y = \arctan x$. Sketch a graph of its derivative.



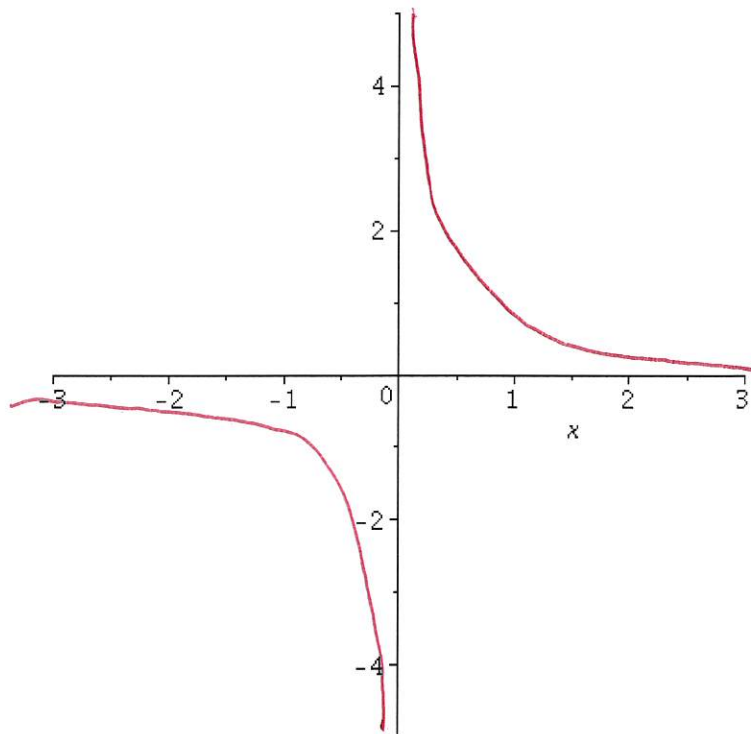
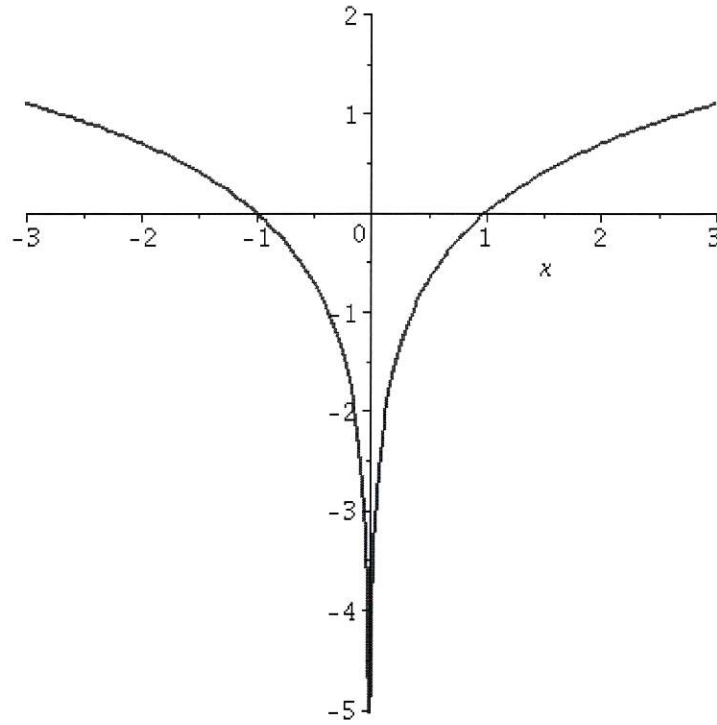
4. This a graph of $y = \tan x$. Sketch a graph of its derivative.



5. This a graph of $y = e^x$. Sketch a graph of its derivative.



6. This a graph of $y = \ln|x|$. Sketch a graph of its derivative.



7. Below is the graph of $y = f'(x)$. Assume we know $f(-5) = 0$ and that f is continuous. Sketch a graph of $y = f(x)$.

