1. Sketch the graph of a function $f$ for which $f(x) < 0$, $f'(x) < 0$, and $f''(x) < 0$ for all $x$. Describe what these inequalities mean in words.

2. Given the following graph of $g$ estimate $g'(-1)$ using the techniques in §1.5. Find the equation of the tangent line through $x = -1$. 
3. Match the graphs on the left to the graphs of their derivatives on the right. Briefly explain.