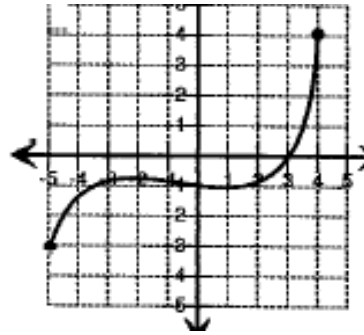
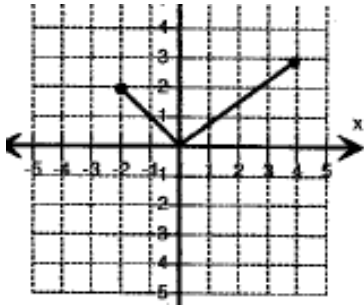
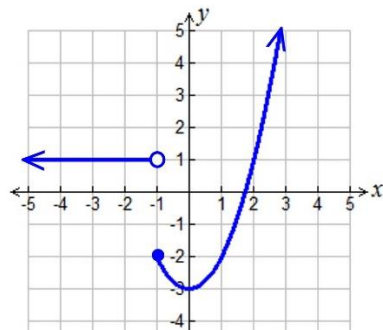
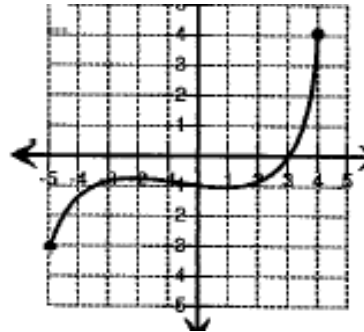
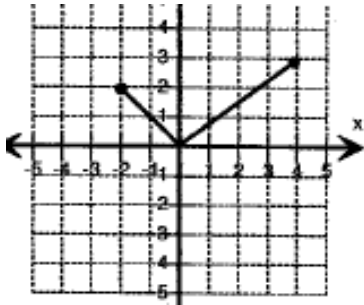


1. Graph the derivative of the functions given below

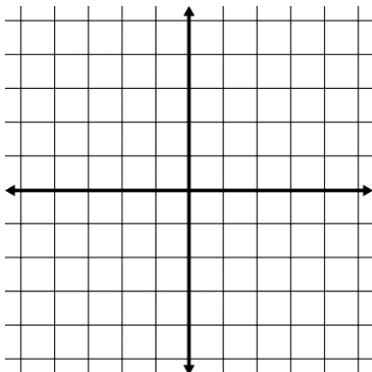


2. Graph the function given the graph of the derivative function



3. Sketch the graph of a continuous function f with $f(0) = 1$ and

$$f'(x) = \begin{cases} -1, & x < -1 \\ 3, & x > -1 \end{cases}$$



4. Consider the curve defined parametrically by $x = 2t^3$ and $y = 3t^2 - 2t$. Find the equation for the line tangent to the curve at time $t = 1$.
5. A curve C is defined by the parametric equations $x = 2t^3$ and $y = 3t^2 - 2t$. Find the equation of the line tangent to the graph of C at the point (16, 8)?
6. A curve C is defined by the parametric equations $x = 2t^3$ and $y = 3t^2 - 2t$. Determine the times that the curve has a horizontal tangent and a vertical tangent.