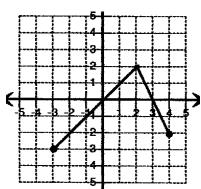
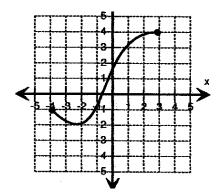
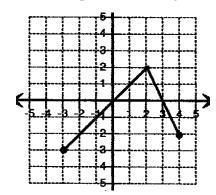
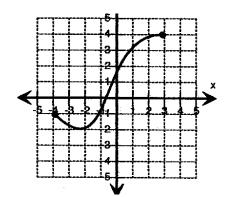
1. Graph the derivative of the functions given below

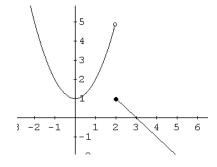




2. Graph the function given the graph of the derivative function

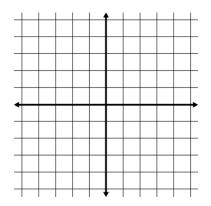


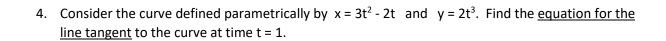


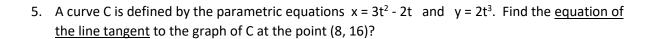


3. Sketch the graph of a continuous function f with f(0) = 1 and

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







6. A curve C is defined by the parametric equations $x = 3t^2 - 2t$ and $y = 2t^3$. Determine the times that the curve has a <u>horizontal tangent</u> and a <u>vertical tangent</u>.