3. (3 pts.) Let \( g(x) = \ln(x^2 + 3) \). What is the average rate of change in \( g \) over the interval from \(-1\) to \(3\)?

4. (4 pts.) Shown below is a part of the graph of the function \( f \) together with a part of the graph of the tangent line \( L \) to \( f \) at the point \( x = 10 \). Suppose that \( f(10) = 8 \) and \( f'(10) = 0.12 \). Calculate \( f(30) \).

\[
f(30) = \underline{\phantom{0000000000}}.
\]