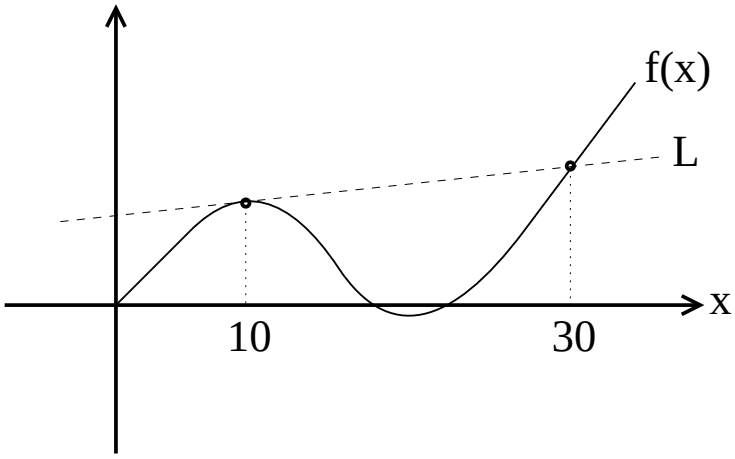
3. (3 pts.) Let $g(x) = \ln(x^2 + 3)$. What is the average rate of change in g over the interval from -1 to 3?

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 $f(30)$.



$f(30) =$ _____.