



A small right triangle representing the slope of the tangent line. The horizontal base is labeled Δx and the angle at the bottom-left vertex is labeled θ . To the right of the triangle, the equation $\Delta y = f'(p) \cdot \Delta x$ is written.

A small right triangle representing the derivative $f'(p)$. The horizontal base is labeled 1 and the angle at the bottom-left vertex is labeled θ . To the right of the triangle, the label $f'(p)$ is written.

A vector diagram showing the derivative as a vector starting from the point $(1, 0)$ and ending at the point $(0, f'(p))$. The vector is labeled $\overrightarrow{(0, f'(p))}$. The point $(1, 0)$ is labeled below the vector, and the point $(0, f'(p))$ is labeled to the right of the vector.