Quiz   **Name**

1. Use Leibniz's slope method to compute the slope of the tangent line to the graph of $y = 3x^2 - 4$ at a random point $P = (x, y)$ on the graph.

2. Use Leibniz's method to verify that the slope of the graph of the equation $y^2 = \frac{4}{9}(x - 1)^3$ at any point $P = (x, y)$ is equal to $(x - 1)^{\frac{1}{2}}$. Check that the point $(10, 18)$ is on the graph of the equation and compute the slope of the tangent to the graph at this point.