



MathsNET

A joined up approach to
teaching and learning
mathematics

Newton's second law

- What does Newton's second law state?
- Give a formula that allows one to calculate the derivative $\frac{df}{dx}$ of the function $f(x)$ as a limit.
- By solving the limit that you wrote down in answer to the previous question show that the derivative of the function $f(x) = x^3$ is equal to $3x^2$.