$$ax^2 + bx + c = 0$$

$$f(x) = \sum_{n=0}^{\infty} \frac{f^{(n)}(a)}{n!}(x-a)^n$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$f_1(P) = \begin{cases} \dfrac{\sum_{i=1}^{N} (d_i)^{-u} z_i}{\sum_{i=1}^{N} (d_i)^{-u}} & if\ d_i \neq 0\ \ for\ all\ D_i \\ z_i & if\ d_i = 0\ \ for\ some\ D_i \end{cases}$$

$$(1+x)^n = 1 + \frac{nx}{1!} + \frac{n(n-1)x^2}{2!} + \cdots$$

$$\sin\alpha \pm \sin\beta = 2\sin\frac{1}{2}(\alpha \pm \beta)\cos\frac{1}{2}(\alpha \mp \beta)$$

$$e^x = 1 + \frac{x}{1!} + \frac{x^2}{2!} + \frac{x^3}{3!} + \cdots$$

$$a^2 + b^2 = c^2$$

$$f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$

$$A = \pi r^2$$