$$f(x) = x^4 + 7x^3 + 2x^2 + 10x + 12$$

$$f(x) = x^4 + 7x^3 + 2x^2 + 10x + 12 \tag{1}$$

$$f(x) = ax^2 + bx + c \qquad g(x) = dx^3$$
$$f'(x) = 2ax + b \qquad g'(x) = 3dx^2$$

$$f(x) = \pi \left\{x^4 + 7x^3 + 2x^2 + 10x + 12\right\} \tag{2}$$

$$u(x) = \begin{cases} \exp x & \text{if } x \geq 0 \\ 1 & \text{if } x < 0 \end{cases}$$

$$f(x) = \begin{cases} x & \text{when} x \text{is even} \\ -x & \text{when} x \text{is odd} \end{cases}$$

$$\lim_{a \to \infty} \frac{1}{a} \tag{3}$$

$$\frac{n!}{k!(n-k)!} = \binom{n}{k} \tag{4}$$

$$\frac{n!}{k!(n-k)!} = \binom{n}{k} \tag{5}$$

$$x = a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + a_4}} <! - - - - >} <! - - - - > \tag{6}$$