$$a_{1} = \frac{1}{h} \left(\frac{-3}{-3+1} \right) \left(\frac{-2}{-2+1} \right) \left(\frac{1}{2} \right) \left(\frac{2}{3} \right) \left(\frac{3}{4} \right)$$

$$= \frac{-1}{h} \left(\frac{3}{2} \right) \left(\frac{2}{4} \right) \left(\frac{1}{4} \right) = \left[\frac{-3}{4h} \right]$$

$$a_{1} = \frac{1}{h} \left(\frac{-3}{-3-1} \right) \left(\frac{+\chi}{+3} \right) \left(\frac{1}{2} \right) \left(\frac{2}{2} \right)$$

$$a_2 = \frac{1}{4h} \left(\frac{+3}{+5} \right) \left(\frac{2}{-4} \right) \left(\frac{+1}{-3} \right) \left(\frac{3}{-4} \right)$$

$$\alpha_3 = \frac{1}{3h} \left(\frac{1}{Z} \right) \left(\frac{+Z}{+5} \right) \left(\frac{+1}{4} \right) \left(\frac{+1}{Z} \right) \left(\frac{+Z}{+2} \right)$$

$$f'(x) \approx L'(x) = \frac{-1}{60h} f(x^*-3h) + \frac{3}{20h} f(x^*-2h) - \frac{3}{4h} f(x^*-h)$$

$$+\frac{3}{4h} f(x^*+h) - \frac{3}{20h} f(x^*+2h) + \frac{1}{60h} f(x^*+3h)$$

$$\frac{x^* = x_0}{L'(x) = \frac{3}{4} \frac{f(x_0 + h) - f(x_0 - h)}{h} - \frac{3}{20} \frac{f(x_0 + 2h) - f(x_0 - 2h)}{h} + \frac{1}{60} \frac{f(x + 3h) - f(x + 3h)}{h}$$