



$$-\frac{4f(x_m)}{(a-b)^2} \left(\frac{a^3 - 3a^2b + 3ab^2 - b^3}{6} \right)$$

$$-\frac{4f(x_m)}{(a-b)^2} \cdot \frac{(a-b)^3}{6} = -\frac{4}{3}f(x_m) \cdot \frac{(a-b)}{2}$$

$$= \frac{4}{3}f(x_m) \cdot \frac{(b-a)}{2} = \frac{4h}{3}f(x_m)$$

(baxb-xm) / x2-xmx-ax + axm dx

$$\frac{2f(b)}{(b-q)^2} \cdot \left(\frac{b^3}{3} - \frac{xmb^2}{2} - \frac{ab^2}{2} + abxm - \left(\frac{a^3}{3} - \frac{a^2 xm}{2} - \frac{q^3}{2} + a^2 xm\right)^2$$

$$\frac{2f(b)}{(b-a)^{2}} \cdot \left(\frac{b^{3}}{3} - \frac{b^{2}x^{m}}{2} - \frac{ab^{2}}{2} + ab^{2}x^{m} + \frac{a^{3}}{6} - \frac{a^{2}x^{m}}{6}\right)$$

$$\frac{2f(b)}{(b-a)^2} \cdot \left(\frac{b^3 - 3ab^2 + 3a^2b - a^3}{12} \right)$$