

3.84
 \bar{a}_2 (1) $p(-1) = 12 = -a_5 + a_4 - a_3 + a_2 - a_1 + a_0$

(*) $p(0) = 0 = a_0$

$p'(x) = 5a_5x^4 + 4a_4x^3 + 3a_3x^2 + 2a_2x + a_1$

(***) $p'(0) = 0 = a_1$

(2) $p'(1) = 5a_5 + 4a_4 + 3a_3 + 2a_2 = 0$

(3) $p(1) = a_5 + a_4 + a_3 + a_2 = 0$

(4) $p(2) = 8 = 32a_5 + 16a_4 + 8a_3 + 4a_2$

(*) + (***) $a_0 = a_1 = 0$

(1) $a_2 = 12 + a_5 - a_4 + a_3$

(2) $0 = 5a_5 + 4a_4 + 3a_3 + 2(12 + a_5 - a_4 + a_3) =$

$-24 = 7a_5 + 2a_4 + 5a_3$

(3) $0 = a_5 + a_4 + a_3 + (12 + a_5 - a_4 + a_3) =$

$-12 = 2a_5 + 2a_3 \rightarrow 10a_5 = -6 - a_3$

(4) $8 = 32a_5 + 16a_4 + 8a_3 + 4(12 + a_5 - a_4 + a_3) =$

$-40 = 36a_5 + 12a_4 + 12a_3$

$-24 = -42 - 7a_3 + 2a_4 + 5a_5$ (2) m/k/m/w/r r/3j

$18 = -2a_3 + 2a_4 \quad / \cdot 6$

$-40 = -216 - 36a_3 + 12a_4 + 12a_3$ (4) m/k/m/w/r r/3j

$176 = -24a_3 + 12a_4$

$108 = -12a_3 + 12a_4$

$68 = -12a_3$

$a_3 = -5\frac{2}{3}, \quad a_4 = 3\frac{1}{3}, \quad a_5 = -\frac{1}{3}, \quad a_2 = \frac{8}{3}$

$-\frac{1}{3}x^5 + \frac{10}{3}x^4 - \frac{17}{3}x^3 + \frac{8}{3}x^2$: 100 p/ly/fo/ml