

永中鍾定明

DATE 2024

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NO 3242125

3242125 91

ex. 4

1) 設 $f(x) = 1250x^6 - 2790x^5 - 3125x^4 + 707x^3 + 100x^2 + 45x - 62$, 求 $f(3)$

$f(3) = r(x)$ of $f(x) \div (x-3)$

1250	-2790	-3125	707	100	45	-62	
	3750	2880	-735	-84	48	279	3
1250	960	-245	-28	16	93	217	

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2) calc $7^7 - 50 \times 7^5 + 6 \times 7^4 + 25 \times 7^2 - 30 \times 7 - 11$

$f(x) = x^7 - 50x^5 + 6x^4 + 25x^2 - 30x - 11$

$f(7) = r(x)$ of $f(x) \div (x-7)$

1	0	-50	6	0	25	-30	-11	
	7	49	-7	-7	-49	-168	-1386	7
1	7	-1	-1	-7	-24	-198	-1397	

-1397#