

Eg. 6 Expand the expressions below.

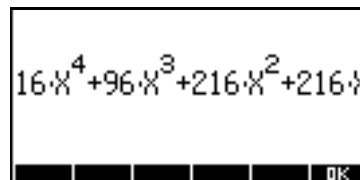
(i) $(2x+3)^4$

(ii) $(3a-2b)^5$



- (i) Use $\text{POLYFORM}((2X+3)^4, X)$ to expand the polynomial. Use the **SHOW** key to examine the result.

Result: $16x^4 + 96x^3 + 216x^2 + 216x + 81$



- (ii) Use $\text{POLYFORM}((3A-2B)^5, B)$ to expand the polynomial as a function of B. Then use the polynomial function again, **COPY**ing the result from the first expansion and expanding this time as a function of A. The **SHOW** key can then be used to view it, using the left and right arrows to scroll the screen left and right.

