

Powers of Binomials

$$\begin{array}{l} 0 (a+b)^0 = 1 \\ 1 (a+b)^1 = 1a + 1b \\ 2 (a+b)^2 = 1a^2 + 2ab + 1b^2 \\ 3 (a+b)^3 = 1a^3 + 3a^2b + 3ab^2 + 1b^3 \\ 4 (a+b)^4 = 1a^4 + 4a^3b + 6a^2b^2 + 4ab^3 + 1b^4 \end{array}$$

Ex 1 Expand and Simplify
 $(x-2y)^5$