

BINOMIAL EXPANSION WITH PASCAL'S TRIANGLE

Step 1: How many terms? Step 2: Fill in Pascal's Coefficients Step 3: Fill in 1st term expansion Step 4: Fill in 2nd term expansion Step 5: Simplify

Problem 1: Expand $(x + 2)^7$

1	x^7	2^0	+	7	x^6	2^1	+	21	x^5	2^2	+	35	x^4	2^3	+	35	x^3	2^4	+	21	x^2	2^5	+	7	x^1	2^6	+	1	x^0	2^7
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x^7			+	$14x^6$			+	$84x^5$			+	$280x^4$			+	$560x^3$			+	$672x^2$			+	$448x$			+	128		
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Problem 2: Expand $(3 + y)^6$

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Problem 3: Expand $(2x - 3)^4$

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PASCAL'S TRIANGLE

