9) $(2x-3)^4$

$_4C_0\ (2x)^4\ (-3)^0 = 1 \cdot 2^4x^4 \cdot 1 = 16x^4$

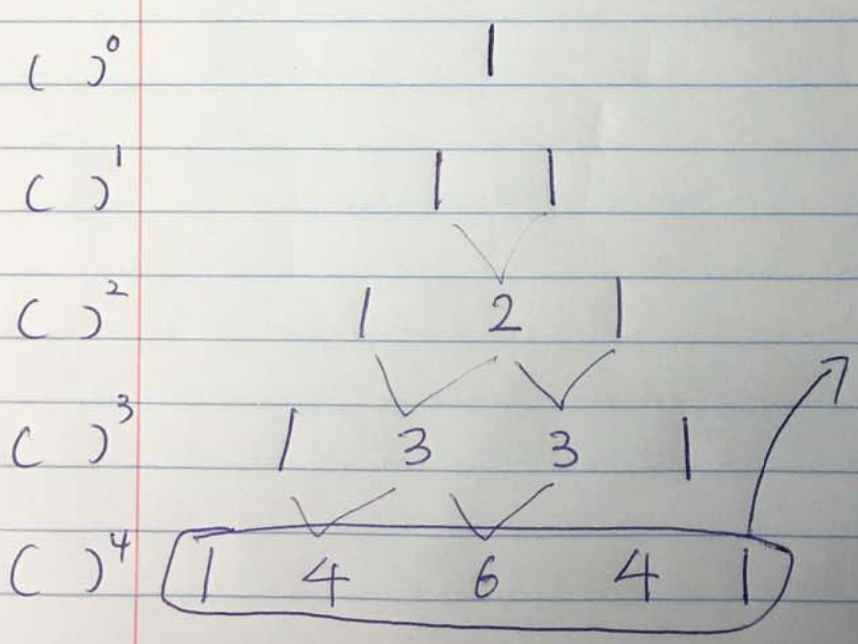
$_4C_1\ (2x)^3\ (-3)^1 = 4 \cdot 2^3x^3 \cdot (-3) = -96x^3$

$_4C_2\ (2x)^2\ (-3)^2 = 6 \cdot 2^2x^2 \cdot 9 = 216x^2$

$_4C_3\ (2x)^1\ (-3)^3 = 4 \cdot 2x \cdot (-27) = -216x$

$_4C_4\ (2x)^0\ (-3)^4 = 1 \cdot 1 \cdot 81 = 81$

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



$1\ \ (2x)^4(-3)^0 = 16x^4$

$4\ \ (2x)^3(-3)^1 = -96x^3$

$6\ \ (2x)^2(-3)^2 = 216x^2$

$4\ \ (2x)^1(-3)^3 = -216x^2$

$1\ \ (2x)^0(-3)^4 = 81$

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