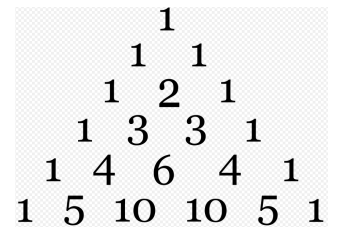


1.

$$(x - 1)^3 = x^3 + 3 \times x^2 \times (-1) + 3 \times x \times (-1)^2 + (-1)^3$$
$$= x^3 - 3x^2 + 3x - 1$$



2.

$$999^3 = (1000 - 1)^3$$
$$= 1000^3 - 3 \times 1000^2 + 3 \times 1000 - 1$$
$$= 1\,000\,000\,000 - 3\,000\,000 + 3\,000 - 1$$
$$= 997\,002\,999$$

999^3
997002999