а) $8x^3 + 12x^2y + 6xy^2 + y^3$; б) $a^3 + 3a^2 + 3a + 1$
в) $27 + 27b + 9b^2 + b^3$.

(a+b)^3=a^3+3a^2b+3ab^2+b^3

8x^3+12x^2y+6xy^2+y^3 =
2^3x^3+3*2^2x^2y+3*2xy^2+y^3 =
(2x)^3+3(2x)^2*y+3*(2x)*y^2+y^3 = (2x+y)^3

a^3+3a^2+3a+1 = a^3+3a^2*1+3a*1^2+1^3 =
(a+1)^3

27+27b+9b^2+b^3 = 3^3+3*3^2b+3*3b^2+b^3 =
(3+b)^3