

$$(a+b)^5 = a^5 + 5a^4b + 10a^3b^2 + 10a^2b^3 + 5ab^4 + b^5$$

$$(a^2 - 3b)^5$$

$$a^{10} - 15a^8b^3 + 10a^6b^6 - 10a^4b^9 + 5a^2b^{12} - b^{15}$$

$$(m^3 + (2n^4))^7$$

$$(a+b)^7 = a^7 + 7a^6b + 21a^5b^2 + 35a^4b^3 + 35a^3b^4 + 21a^2b^5 + 7ab^6 + b^7$$

$$m^{21} + 14m^{18}n^4 + 84m^{15}n^8 + 280m^{12}n^{12} + 560m^9n^{16} + 672m^6n^{20} + 448m^3n^{24} + 128n^{28}$$

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

$$(3x)^4 (2y)^0 - 4(3x)^3 (2y)^1 + 6(3x)^2 (2y)^2 - 4(3x)^1 (2y)^3 + (2y)^4$$

$$81x^4 - 216x^3y + 216x^2y^2 - 96xy^3 + 16y^4$$

$$(5m - 2n)^5$$

$$3,125m^5 - 6,250m^4n + 5,000m^3n^2 - 2,000m^2n^3 + 400mn^4 - 32n^5$$

$$(2x^3 - 3y^4)^6$$

$$64x^{10} - 576x^{15}y^4 + 2,160x^{12}y^8 - 4320x^9y^{12} + 4860x^3y^{20} + 729y^{24}$$