

(1+x) ①  $D=6$ , Sextic  $LC=8$  (35)  
 $2-25+50$

②  $D=1$ , Linear  $LC=-9$  (P1)  
 $8+5x5$

③  $2x^5+4$   
 $D=5$ , Quintic  $LC=2$

④  $-x^2+18x+2$   
 $(1+m^2) D=2$ , Quadratic  $LC=-1$   
 $8+m^8-m^5$

⑤  $D=3$ , Cubic  $LC=3$

⑥  $-20m^3+m+5$   
 $(D=3)$ , Cubic  $LC=-20$  (55)  
 $4+x^4$

⑦  $-3a^7+10a^4-8$   
 $D=7$ , Septic  $LC=-3$

⑧  $6z^4+z^3-5z^2+4z$   
 $D=4$ , Quartic  $LC=6$   
 $(1+x)+(2+x)+(4+x)+(1-x)$  (55)

⑨  $h^7-6h^4+8h^3$   
 $D=7$ , Septic  $LC=1$

⑩ Yes  $D=2$ , Quadratic  
Monomial

⑪ No, no variable exponents

⑫ No, no negative exponents

⑬ Yes  $D=2$ , Quadratic  
Binomial

⑭ Yes  $D=2$ , Quadratic  
Trinomial

⑮ Yes  $D=3$ , Cubic  
Binomial

⑯  $(6x+4)+(x+5)$   
 $7x+9$

⑰  $(4m^2-5)+(3m^2-2)$   
 $7m^2-7$

⑱  $(2y^2+y-1)+(7y^2+4y-3)$   
 $9y^2+5y-4$

$$(19) (3x^2+5)-(x^2+2) = 0$$

$$\boxed{2x^2+3}$$

$$(20) (10a^2+4a-5)-(3a^2+2a+1)$$

$$\boxed{7a^2+2a-6}$$

$$(21) (m^2-3m+4)-(-m^2+5m+1)$$

$$\boxed{2m^2-8m+3}$$

$$(22) (x+2)+(x+1)+(2x+1)$$

$$\boxed{4x+4}$$

$$(23) (x-1)+(x+4)+(x+5)+(x+1)$$

$$\boxed{4x+9}$$

(13) No, no negative exponents

(11) No, no variable exponents

(14) Yes  $D=5$ , Quadratic

(8) Yes  $D=5$ , Quadratic

Trinomial

Binomial

$$(16) (x+4)+(x+2)$$

$$\boxed{2x+6}$$

$$(12) Yes  $D=3$ , Linear$$

Binomial

$$(18) (y^2+y-1)+(y^2+y-3)$$

$$\boxed{2y^2+2y-4}$$

$$(17) (4m^2-2)+(3m^2-5)$$

$$\boxed{7m^2-7}$$