Batch 5059557e

Multiplying Polynomials

Version 1

(1)
Expand
$$(x+6)(x+2)$$

	x	6
x		
2		

(2)
Expand
$$(x+9)(x-4)$$

	x	9
x		
-4		

(3)
Expand
$$(x-5.2)(x-1.1)$$

	x	-5.2
x		
-1.1		

(4)
Expand
$$(3x-1)(-9x+3)$$

	$3x$	-1
$-9x$		
3		

(5)
Expand
$$(-7x+2y)(7x-y)$$

	$-7x$	$2y$
$7x$		
$-y$		

(6)
Expand
$$(x^2-2x-3)(x+9)$$

	x^2	$-2x$	-3
x			
9			

(7)
Expand
$$(x^2+3x+9)(x^2+8x+7)$$

	x^2	$3x$	9
x^2			
$8x$			
7			

Batch 5059557e

Multiplying Polynomials

Version 2

(1) _____

Expand

$$(x+4)(x+5)$$

	x	4
x		
5		

(2) _____

Expand

$$(x+8)(x-5)$$

	x	8
x		
-5		

(3) _____

Expand

$$(x+5.1)(x+9.8)$$

	x	5.1
x		
9.8		

(4) _____

Expand

$$(-4x+4)(5x-9)$$

	$-4x$	4
$5x$		
-9		

(5) _____

Expand

$$(-6x-6y)(-5x-4y)$$

	$-6x$	$-6y$
$-5x$		
$-4y$		

(6) _____

Expand

$$(x^2-2x+5)(x+1)$$

	x^2	$-2x$	5
x			
1			

(7) _____

Expand

$$(x^2+7x+5)(x^2+5x-8)$$

	x^2	$7x$	5
x^2			
$5x$			
-8			

Batch 5059557e

Multiplying Polynomials

Version 3

(1)

Expand

$$(x+4)(x+9)$$

	x	4
x		
9		

(2)

Expand

$$(x+8)(x-6)$$

	x	8
x		
-6		

(3)

Expand

$$(x+8.3)(x+4.3)$$

	x	8.3
x		
4.3		

(4)

Expand

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

	$-4x$	1
$-4x$		
-5		

(5)

Expand

$$(-4x-2y)(-4x+7y)$$

	$-4x$	$-2y$
$-4x$		
$7y$		

(6)

Expand

$$(x^2+4x+9)(x+4)$$

	x^2	$4x$	9
x			
4			

(7)

Expand

$$(x^2+2x-4)(x^2+x-7)$$

	x^2	$2x$	-4
x^2			
x			
-7			

Batch 5059557e

Multiplying Polynomials

Version 4

(1) Expand

$$(x + 2)(x + 7)$$

	x	2
x		
7		

(2) Expand

$$(x + 9)(x - 6)$$

	x	9
x		
-6		

(3) Expand

$$(x + 0.2)(x - 2.7)$$

	x	0.2
x		
-2.7		

(4) Expand

$$(2x + 4)(-3x + 5)$$

	$2x$	4
$-3x$		
5		

(5) Expand

$$(-7x - 5y)(7x + 9y)$$

	$-7x$	$-5y$
$7x$		
$9y$		

(6) Expand

$$(x^2 + 3x + 5)(x + 6)$$

	x^2	$3x$	5
x			
6			

(7) Expand

$$(x^2 + 7x + 6)(x^2 - 5x - 5)$$

	x^2	$7x$	6
x^2			
$-5x$			
-5			

Batch 5059557e   # Multiplying Polynomials   Version 5

(1) Expand

$$(x + 2)(x + 5)$$

	x	2
x		
5		

(2) Expand

$$(x + 7)(x - 3)$$

	x	7
x		
-3		

(3) Expand

$$(x - 0.7)(x + 6.7)$$

	x	-0.7
x		
6.7		

(4) Expand

$$(-5x - 6)(-6x - 8)$$

	$-5x$	-6
$-6x$		
-8		

(5) Expand

$$(3x - 8y)(-3x + 4y)$$

	$3x$	$-8y$
$-3x$		
$4y$		

(6) Expand

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

	x^2	$-3x$	-3
x			
-6			

(7) Expand

$$(x^2 - 5x + 2)(x^2 - 4x + 2)$$

	x^2	$-5x$	2
x^2			
$-4x$			
2			

Multiplying Polynomials

(1)

Expand
$$(x+6)(x+5)$$

	x	6
x		
5		

(2)

Expand
$$(x+5)(x-2)$$

	x	5
x		
-2		

(3)

Expand
$$(x-7.1)(x-4.3)$$

	x	-7.1
x		
-4.3		

(4)

Expand
$$(-3x+2)(-7x+1)$$

	$-3x$	2
$-7x$		
1		

(5)

Expand
$$(-4x+y)(-8x-7y)$$

	$-4x$	y
$-8x$		
$-7y$		

(6)

Expand
$$(x^2+8x+1)(x+2)$$

	x^2	$8x$	1
x			
2			

(7)

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

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

Batch 5059557e

Multiplying Polynomials

Version 7

(1)

Expand
$$(x+8)(x+2)$$

	x	8
x		
2		

(2)

Expand
$$(x+1)(x-7)$$

	x	1
x		
-7		

(3)

Expand
$$(x+7.5)(x-7.3)$$

	x	7.5
x		
-7.3		

(4)

Expand
$$(-4x+5)(5x-2)$$

	$-4x$	5
$5x$		
-2		

(5)

Expand
$$(-4x-4y)(9x-3y)$$

	$-4x$	$-4y$
$9x$		
$-3y$		

(6)

Expand
$$(x^2-8x-1)(x+2)$$

	x^2	$-8x$	-1
x			
2			

(7)

Expand
$$(x^2+6x+1)(x^2+9x-1)$$

	x^2	$6x$	1
x^2			
$9x$			
-1			

Batch 5059557e   # Multiplying Polynomials   Version 8

(1)

Expand

$$(x+1)(x+1)$$

	x	1
x		
1		

(2)

Expand

$$(x+3)(x-1)$$

	x	3
x		
-1		

(3)

Expand

$$(x+9.6)(x+9.5)$$

	x	9.6
x		
9.5		

(4)

Expand

$$(5x+2)(-9x-4)$$

	$5x$	2
$-9x$		
-4		

(5)

Expand

$$(-8x+3y)(7x+6y)$$

	$-8x$	$3y$
$7x$		
$6y$		

(6)

Expand

$$(x^2+7x+5)(x+2)$$

	x^2	$7x$	5
x			
2			

(7)

Expand

$$(x^2+6x+8)(x^2-3x+4)$$

	x^2	$6x$	8
x^2			
$-3x$			
4			

Batch 5059557e   # Multiplying Polynomials   Version 9

(1)

Expand

$$(x+3)(x+9)$$

	x	3
x		
9		

(2)

Expand

$$(x+8)(x-5)$$

	x	8
x		
-5		

(3)

Expand

$$(x+5.7)(x+3.9)$$

	x	5.7
x		
3.9		

(4)

Expand

$$(5x+1)(-4x-8)$$

	$5x$	1
$-4x$		
-8		

(5)

Expand

$$(-8x+2y)(-5x+8y)$$

	$-8x$	$2y$
$-5x$		
$8y$		

(6)

Expand

$$(x^2-x+5)(x-3)$$

	x^2	$-x$	5
x			
-3			

(7)

Expand

$$(x^2+5x-9)(x^2-8x-6)$$

	x^2	$5x$	-9
x^2			
$-8x$			
-6			

Batch 5059557e

Multiplying Polynomials

Version 10

(1)
Expand
$$(x+4)(x+1)$$

	x	4
x		
1		

(2)
Expand
$$(x+1)(x-3)$$

	x	1
x		
-3		

(3)
Expand
$$(x+8.7)(x-3.3)$$

	x	8.7
x		
-3.3		

(4)
Expand
$$(-6x+3)(2x-6)$$

	$-6x$	3
$2x$		
-6		

(5)
Expand
$$(4x+4y)(9x+6y)$$

	$4x$	$4y$
$9x$		
$6y$		

(6)
Expand
$$(x^2-4x-8)(x-6)$$

	x^2	$-4x$	-8
x			
-6			

(7)
Expand
$$(x^2-3x-8)(x^2-x-1)$$

	x^2	$-3x$	-8
x^2			
$-x$			
-1			

(1)
Expand
$$(x+2)(x+8)$$

	x	2
x		
8		

(2)
Expand
$$(x+8)(x-8)$$

	x	8
x		
-8		

(3)
Expand
$$(x-4.9)(x-3.9)$$

	x	-4.9
x		
-3.9		

(4)
Expand
$$(3x-9)(6x-1)$$

	$3x$	-9
$6x$		
-1		

(5)
Expand
$$(7x-7y)(9x+7y)$$

	$7x$	$-7y$
$9x$		
$7y$		

(6)
Expand
$$(x^2+9x+8)(x-9)$$

	x^2	$9x$	8
x			
-9			

(7)
Expand
$$(x^2+x-3)(x^2+x-8)$$

	x^2	x	-3
x^2			
x			
-8			

Multiplying Polynomials

(1) Expand

$$(x + 9)(x + 3)$$

	x	9
x		
3		

(2) Expand

$$(x + 5)(x - 6)$$

	x	5
x		
-6		

(3) Expand

$$(x - 0.2)(x - 2.1)$$

	x	-0.2
x		
-2.1		

(4) Expand

$$(-8x - 7)(-9x - 2)$$

	$-8x$	-7
$-9x$		
-2		

(5) Expand

$$(2x - 2y)(-x - 6y)$$

	$2x$	$-2y$
$-x$		
$-6y$		

(6) Expand

$$(x^2 - 2x - 2)(x + 1)$$

	x^2	$-2x$	-2
x			
1			

(7) Expand

$$(x^2 - 2x + 8)(x^2 - 7x - 9)$$

	x^2	$-2x$	8
x^2			
$-7x$			
-9			

Multiplying Polynomials

(1) _____

Expand

$$(x+3)(x+2)$$

	x	3
x		
2		

(2) _____

Expand

$$(x+4)(x-3)$$

	x	4
x		
-3		

(3) _____

Expand

$$(x-0.1)(x+6.6)$$

	x	-0.1
x		
6.6		

(4) _____

Expand

$$(-9x-7)(-9x+1)$$

	$-9x$	-7
$-9x$		
1		

(5) _____

Expand

$$(6x+y)(8x+4y)$$

	$6x$	y
$8x$		
$4y$		

(6) _____

Expand

$$(x^2+2x-1)(x-9)$$

	x^2	$2x$	-1
x			
-9			

(7) _____

Expand

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

	x^2	$-3x$	-4
x^2			
$3x$			
2			

Multiplying Polynomials

Version 14

| name | date | period |

(1)
Expand

$$(x+1)(x+7)$$

	x	1
x		
7		

(2)
Expand

$$(x+6)(x-2)$$

	x	6
x		
-2		

(3)
Expand

$$(x-1.6)(x-2.3)$$

	x	-1.6
x		
-2.3		

(4)
Expand

$$(2x-7)(-8x+2)$$

	$2x$	-7
$-8x$		
2		

(5)
Expand

$$(2x+7y)(4x-y)$$

	$2x$	$7y$
$4x$		
$-y$		

(6)
Expand

$$(x^2-8x+3)(x-7)$$

	x^2	$-8x$	3
x			
-7			

(7)
Expand

$$(x^2-5x-5)(x^2-8x+7)$$

	x^2	$-5x$	-5
x^2			
$-8x$			
7			

Batch 5059557e

Multiplying Polynomials

Version 15

(1)

Expand

$$(x+5)(x+6)$$

	x	5
x		
6		

(2)

Expand

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

	x	5
x		
-1		

(3)

Expand

$$(x+9.7)(x-1.4)$$

	x	9.7
x		
-1.4		

(4)

Expand

$$(-2x+5)(6x+3)$$

	$-2x$	5
$6x$		
3		

(5)

Expand

$$(-2x+9y)(-9x+4y)$$

	$-2x$	$9y$
$-9x$		
$4y$		

(6)

Expand

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

	x^2	$-3x$	-2
x			
-4			

(7)

Expand

$$(x^2-5x-6)(x^2-x+7)$$

	x^2	$-5x$	-6
x^2			
$-x$			
7			

Batch 5059557e

Multiplying Polynomials

Version 16

(1) [ ]

Expand

$$(x+9)(x+1)$$

	x	9
x		
1		

(2) [ ]

Expand

$$(x+6)(x-4)$$

	x	6
x		
-4		

(3) [ ]

Expand

$$(x+8.1)(x-1.2)$$

	x	8.1
x		
-1.2		

(4) [ ]

Expand

$$(-6x+5)(6x+8)$$

	$-6x$	5
$6x$		
8		

(5) [ ]

Expand

$$(-5x-9y)(4x+8y)$$

	$-5x$	$-9y$
$4x$		
$8y$		

(6) [ ]

Expand

$$(x^2-5x-6)(x+4)$$

	x^2	$-5x$	-6
x			
4			

(7) [ ]

Expand

$$(x^2-6x+6)(x^2+5x+2)$$

	x^2	$-6x$	6
x^2			
$5x$			
2			

Batch 5059557e

Multiplying Polynomials

Version 17

(1)

Expand

$$(x+7)(x+7)$$

	x	7
x		
7		

(2)

Expand

$$(x+3)(x-1)$$

	x	3
x		
-1		

(3)

Expand

$$(x-1.5)(x+1.5)$$

	x	-1.5
x		
1.5		

(4)

Expand

$$(-4x-3)(-5x-1)$$

	$-4x$	-3
$-5x$		
-1		

(5)

Expand

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

	$-6x$	$-3y$
$4x$		
$-6y$		

(6)

Expand

$$(x^2+8x+8)(x-1)$$

	x^2	$8x$	8
x			
-1			

(7)

Expand

$$(x^2+2x+8)(x^2-6x-4)$$

	x^2	$2x$	8
x^2			
$-6x$			
-4			

Multiplying Polynomials

(1)
Expand
$$(x + 8)(x + 1)$$

	x	8
x		
1		

(2)
Expand
$$(x + 8)(x - 5)$$

	x	8
x		
-5		

(3)
Expand
$$(x + 0.5)(x - 0.3)$$

	x	0.5
x		
-0.3		

(4)
Expand
$$(-9x + 9)(-8x - 2)$$

	$-9x$	9
$-8x$		
-2		

(5)
Expand
$$(-9x - 8y)(-x - y)$$

	$-9x$	$-8y$
$-x$		
$-y$		

(6)
Expand
$$(x^2 - 9x + 9)(x - 3)$$

	x^2	$-9x$	9
x			
-3			

(7)
Expand
$$(x^2 - 5x + 4)(x^2 - 2x - 5)$$

	x^2	$-5x$	4
x^2			
$-2x$			
-5			

(1) [   ]
Expand
$$(x+5)(x+8)$$

	x	5
x		
8		

(2) [   ]
Expand
$$(x+4)(x-1)$$

	x	4
x		
-1		

(3) [   ]
Expand
$$(x-6.6)(x+7.9)$$

	x	-6.6
x		
7.9		

(4) [   ]
Expand
$$(-5x-7)(-6x-8)$$

	$-5x$	-7
$-6x$		
-8		

(5) [   ]
Expand
$$(9x-2y)(9x+6y)$$

	$9x$	$-2y$
$9x$		
$6y$		

(6) [   ]
Expand
$$(x^2-8x+6)(x-8)$$

	x^2	$-8x$	6
x			
-8			

(7) [   ]
Expand
$$(x^2+3x-5)(x^2-x-9)$$

	x^2	$3x$	-5
x^2			
$-x$			
-9			

Batch 5059557e   # Multiplying Polynomials   Version 20

(1) _____
Expand
$$(x+3)(x+6)$$

	x	3
x		
6		

(2) _____
Expand
$$(x+4)(x-4)$$

	x	4
x		
-4		

(3) _____
Expand
$$(x-9.4)(x-7.5)$$

	x	-9.4
x		
-7.5		

(4) _____
Expand
$$(7x+8)(2x-2)$$

	$7x$	8
$2x$		
-2		

(5) _____
Expand
$$(8x-5y)(x-y)$$

	$8x$	$-5y$
x		
$-y$		

(6) _____
Expand
$$(x^2-5x-4)(x+5)$$

	x^2	$-5x$	-4
x			
5			

(7) _____
Expand
$$(x^2+6x+8)(x^2+8x-3)$$

	x^2	$6x$	8
x^2			
$8x$			
-3			

Batch 5059557e

Multiplying Polynomials

Version 21

(1) ☐

Expand

$$(x+1)(x+3)$$

	x	1
x		
3		

(2) ☐

Expand

$$(x+5)(x-2)$$

	x	5
x		
-2		

(3) ☐

Expand

$$(x-9.8)(x-8.6)$$

	x	-9.8
x		
-8.6		

(4) ☐

Expand

$$(7x+9)(-8x+1)$$

	$7x$	9
$-8x$		
1		

(5) ☐

Expand

$$(6x+5y)(x+8y)$$

	$6x$	$5y$
x		
$8y$		

(6) ☐

Expand

$$(x^2+7x+6)(x+1)$$

	x^2	$7x$	6
x			
1			

(7) ☐

Expand

$$(x^2-5x-1)(x^2-x-8)$$

	x^2	$-5x$	-1
x^2			
$-x$			
-8			

(1)
Expand
$$(x+4)(x+5)$$

	x	4
x		
5		

(2)
Expand
$$(x+5)(x-8)$$

	x	5
x		
-8		

(3)
Expand
$$(x+8.8)(x+5.1)$$

	x	8.8
x		
5.1		

(4)
Expand
$$(9x-2)(4x-2)$$

	$9x$	-2
$4x$		
-2		

(5)
Expand
$$(2x+8y)(6x+9y)$$

	$2x$	$8y$
$6x$		
$9y$		

(6)
Expand
$$(x^2+4x+8)(x+3)$$

	x^2	$4x$	8
x			
3			

(7)
Expand
$$(x^2-6x+4)(x^2-x+4)$$

	x^2	$-6x$	4
x^2			
$-x$			
4			

Batch 5059557e

Multiplying Polynomials

Version 23

(1)

Expand
$$(x+4)(x+4)$$

	x	4
x		
4		

(2)

Expand
$$(x+9)(x-1)$$

	x	9
x		
-1		

(3)

Expand
$$(x-8.6)(x-7.5)$$

	x	-8.6
x		
-7.5		

(4)

Expand
$$(5x+8)(8x-5)$$

	$5x$	8
$8x$		
-5		

(5)

Expand
$$(-8x+5y)(7x+2y)$$

	$-8x$	$5y$
$7x$		
$2y$		

(6)

Expand
$$(x^2-8x-7)(x-1)$$

	x^2	$-8x$	-7
x			
-1			

(7)

Expand
$$(x^2+x-1)(x^2+7x-3)$$

	x^2	x	-1
x^2			
$7x$			
-3			

Batch 5059557e # Multiplying Polynomials Version 24

(1)
Expand
$$(x+1)(x+8)$$

	x	1
x		
8		

(2)
Expand
$$(x+5)(x-8)$$

	x	5
x		
-8		

(3)
Expand
$$(x-8.6)(x-2.1)$$

	x	-8.6
x		
-2.1		

(4)
Expand
$$(-5x+5)(3x-7)$$

	$-5x$	5
$3x$		
-7		

(5)
Expand
$$(x+3y)(-5x+6y)$$

	x	$3y$
$-5x$		
$6y$		

(6)
Expand
$$(x^2-2x-4)(x-2)$$

	x^2	$-2x$	-4
x			
-2			

(7)
Expand
$$(x^2+5x-2)(x^2+3x+3)$$

	x^2	$5x$	-2
x^2			
$3x$			
3			

Batch 5059557e　　　　# Multiplying Polynomials　　　　Version 25

(1)

Expand
$$(x+7)(x+6)$$

	x	7
x		
6		

(2)

Expand
$$(x+3)(x-2)$$

	x	3
x		
-2		

(3)

Expand
$$(x+1.9)(x+5.1)$$

	x	1.9
x		
5.1		

(4)

Expand
$$(-5x-1)(-5x+2)$$

	$-5x$	-1
$-5x$		
2		

(5)

Expand
$$(-x+2y)(2x+3y)$$

	$-x$	$2y$
$2x$		
$3y$		

(6)

Expand
$$(x^2+6x+7)(x-7)$$

	x^2	$6x$	7
x			
-7			

(7)

Expand
$$(x^2+5x-3)(x^2-x-4)$$

	x^2	$5x$	-3
x^2			
$-x$			
-4			

Version 1
(1) $x^2 + 8x + 12$
(2) $x^2 + 5x - 36$
(3) $x^2 - 6.3x + 5.72$
(4) $-27x^2 + 18x - 3$
(5) $-49x^2 + 21xy - 2y^2$
(6) $x^3 + 7x^2 - 21x - 27$
(7) $x^4 + 11x^3 + 40x^2 + 93x + 63$

Version 2
(1) $x^2 + 9x + 20$
(2) $x^2 + 3x - 40$
(3) $x^2 + 14.9x + 49.98$
(4) $-20x^2 + 56x - 36$
(5) $30x^2 + 54xy + 24y^2$
(6) $x^3 - x^2 + 3x + 5$
(7) $x^4 + 12x^3 + 32x^2 - 31x - 40$

Version 3
(1) $x^2 + 13x + 36$
(2) $x^2 + 2x - 48$
(3) $x^2 + 12.6x + 35.69$
(4) $16x^2 + 16x - 5$
(5) $16x^2 - 20xy - 14y^2$
(6) $x^3 + 8x^2 + 25x + 36$
(7) $x^4 + 3x^3 - 9x^2 - 18x + 28$

Version 4
(1) $x^2 + 9x + 14$
(2) $x^2 + 3x - 54$
(3) $x^2 - 2.5x - 0.54$
(4) $-6x^2 - 2x + 20$
(5) $-49x^2 - 98xy - 45y^2$
(6) $x^3 + 9x^2 + 23x + 30$
(7) $x^4 + 2x^3 - 34x^2 - 65x - 30$

Version 5
(1) $x^2 + 7x + 10$
(2) $x^2 + 4x - 21$
(3) $x^2 + 6x - 4.69$
(4) $30x^2 + 76x + 48$
(5) $-9x^2 + 36xy - 32y^2$
(6) $x^3 - 9x^2 + 15x + 18$
(7) $x^4 - 9x^3 + 24x^2 - 18x + 4$

Version 6
(1) $x^2 + 11x + 30$
(2) $x^2 + 3x - 10$
(3) $x^2 - 11.4x + 30.53$
(4) $21x^2 - 17x + 2$
(5) $32x^2 + 20xy - 7y^2$
(6) $x^3 + 10x^2 + 17x + 2$
(7) $x^4 - 4x^3 - 2x^2 + 23x - 36$

Version 7
(1) $x^2 + 10x + 16$
(2) $x^2 - 6x - 7$
(3) $x^2 + 0.2x - 54.75$
(4) $-20x^2 + 33x - 10$
(5) $-36x^2 - 24xy + 12y^2$
(6) $x^3 - 6x^2 - 17x - 2$
(7) $x^4 + 15x^3 + 54x^2 + 3x - 1$

Version 8
(1) $x^2 + 2x + 1$
(2) $x^2 + 2x - 3$
(3) $x^2 + 19.1x + 91.2$
(4) $-45x^2 - 38x - 8$
(5) $-56x^2 - 27xy + 18y^2$
(6) $x^3 + 9x^2 + 19x + 10$
(7) $x^4 + 3x^3 - 6x^2 + 32$

Version 9
(1) $x^2 + 12x + 27$
(2) $x^2 + 3x - 40$
(3) $x^2 + 9.6x + 22.23$
(4) $-20x^2 - 44x - 8$
(5) $40x^2 - 74xy + 16y^2$
(6) $x^3 - 4x^2 + 8x - 15$
(7) $x^4 - 3x^3 - 55x^2 + 42x + 54$

Version 10
(1) $x^2 + 5x + 4$
(2) $x^2 - 2x - 3$
(3) $x^2 + 5.4x - 28.71$
(4) $-12x^2 + 42x - 18$
(5) $36x^2 + 60xy + 24y^2$
(6) $x^3 - 10x^2 + 16x + 48$
(7) $x^4 - 4x^3 - 6x^2 + 11x + 8$

Version 11
(1) $x^2 + 10x + 16$
(2) $x^2 - 64$
(3) $x^2 - 8.8x + 19.11$
(4) $18x^2 - 57x + 9$
(5) $63x^2 - 14xy - 49y^2$
(6) $x^3 - 73x - 72$
(7) $x^4 + 2x^3 - 10x^2 - 11x + 24$

Version 12
(1) $x^2 + 12x + 27$
(2) $x^2 - x - 30$
(3) $x^2 - 2.3x + 0.42$
(4) $72x^2 + 79x + 14$
(5) $-2x^2 - 10xy + 12y^2$
(6) $x^3 - x^2 - 4x - 2$
(7) $x^4 - 9x^3 + 13x^2 - 38x - 72$

Version 13
(1) $x^2 + 5x + 6$
(2) $x^2 + x - 12$
(3) $x^2 + 6.5x - 0.66$
(4) $81x^2 + 54x - 7$
(5) $48x^2 + 32xy + 4y^2$
(6) $x^3 - 7x^2 - 19x + 9$
(7) $x^4 - 11x^2 - 18x - 8$

Version 14
(1) $x^2 + 8x + 7$
(2) $x^2 + 4x - 12$
(3) $x^2 - 3.9x + 3.68$
(4) $-16x^2 + 60x - 14$
(5) $8x^2 + 26xy - 7y^2$
(6) $x^3 - 15x^2 + 59x - 21$
(7) $x^4 - 13x^3 + 42x^2 + 5x - 35$

Version 15
(1) $x^2 + 11x + 30$
(2) $x^2 + 4x - 5$
(3) $x^2 + 8.3x - 13.58$
(4) $-12x^2 + 24x + 15$
(5) $18x^2 - 89xy + 36y^2$
(6) $x^3 - 7x^2 + 10x + 8$
(7) $x^4 - 6x^3 + 6x^2 - 29x - 42$

Version 16

(1) $x^2 + 10x + 9$
(2) $x^2 + 2x - 24$
(3) $x^2 + 6.9x - 9.72$
(4) $-36x^2 - 18x + 40$
(5) $-20x^2 - 76xy - 72y^2$
(6) $x^3 - x^2 - 26x - 24$
(7) $x^4 - x^3 - 22x^2 + 18x + 12$

Version 17

(1) $x^2 + 14x + 49$
(2) $x^2 + 2x - 3$
(3) $x^2 - 2.25$
(4) $20x^2 + 19x + 3$
(5) $-24x^2 + 24xy + 18y^2$
(6) $x^3 + 7x^2 - 8$
(7) $x^4 - 4x^3 - 8x^2 - 56x - 32$

Version 18

(1) $x^2 + 9x + 8$
(2) $x^2 + 3x - 40$
(3) $x^2 + 0.2x - 0.15$
(4) $72x^2 - 54x - 18$
(5) $9x^2 + 17xy + 8y^2$
(6) $x^3 - 12x^2 + 36x - 27$
(7) $x^4 - 7x^3 + 9x^2 + 17x - 20$

Version 19

(1) $x^2 + 13x + 40$
(2) $x^2 + 3x - 4$
(3) $x^2 + 1.3x - 52.14$
(4) $30x^2 + 82x + 56$
(5) $81x^2 + 36xy - 12y^2$
(6) $x^3 - 16x^2 + 70x - 48$
(7) $x^4 + 2x^3 - 17x^2 - 22x + 45$

Version 20

(1) $x^2 + 9x + 18$
(2) $x^2 - 16$
(3) $x^2 - 16.9x + 70.5$
(4) $14x^2 + 2x - 16$
(5) $8x^2 - 13xy + 5y^2$
(6) $x^3 - 29x - 20$
(7) $x^4 + 14x^3 + 53x^2 + 46x - 24$

Version 21

(1) $x^2 + 4x + 3$
(2) $x^2 + 3x - 10$
(3) $x^2 - 18.4x + 84.28$
(4) $-56x^2 - 65x + 9$
(5) $6x^2 + 53xy + 40y^2$
(6) $x^3 + 8x^2 + 13x + 6$
(7) $x^4 - 6x^3 - 4x^2 + 41x + 8$

Version 22

(1) $x^2 + 9x + 20$
(2) $x^2 - 3x - 40$
(3) $x^2 + 13.9x + 44.88$
(4) $36x^2 - 26x + 4$
(5) $12x^2 + 66xy + 72y^2$
(6) $x^3 + 7x^2 + 20x + 24$
(7) $x^4 - 7x^3 + 14x^2 - 28x + 16$

Version 23

(1) $x^2 + 8x + 16$
(2) $x^2 + 8x - 9$
(3) $x^2 - 16.1x + 64.5$
(4) $40x^2 + 39x - 40$
(5) $-56x^2 + 19xy + 10y^2$
(6) $x^3 - 9x^2 + x + 7$
(7) $x^4 + 8x^3 + 3x^2 - 10x + 3$

Version 24

(1) $x^2 + 9x + 8$
(2) $x^2 - 3x - 40$
(3) $x^2 - 10.7x + 18.06$
(4) $-15x^2 + 50x - 35$
(5) $-5x^2 - 9xy + 18y^2$
(6) $x^3 - 4x^2 + 8$
(7) $x^4 + 8x^3 + 16x^2 + 9x - 6$

Version 25

(1) $x^2 + 13x + 42$
(2) $x^2 + x - 6$
(3) $x^2 + 7x + 9.69$
(4) $25x^2 - 5x - 2$
(5) $-2x^2 + xy + 6y^2$
(6) $x^3 - x^2 - 35x - 49$
(7) $x^4 + 4x^3 - 12x^2 - 17x + 12$