

Expand triple brackets (A)

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

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

	x^2	$5x$	6
x	x^3	$5x^2$	$6x$
4	$4x^2$	$20x$	24

$$x^3 + 9x^2 + 26x + 24$$

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

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

	x^2	x	-6
x	x^3	x^2	$-6x$
-5	$-5x^2$	$-5x$	30

$$x^3 - 4x^2 - 11x + 30$$

$$(x-1)(x-4)(x-6)$$

	x	-1	
x	x^2	$-x$	$x^2 - 5x + 4$
-4	$-4x$	4	

	x^2	$-5x$	4
x	x^3	$-5x^2$	$4x$
-6	$-6x^2$	$30x$	-24

$$x^3 - 11x^2 + 34x - 24$$

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

	$2x$	1	
x	$2x^2$	x	$2x^2 - 5x - 3$
-3	$-6x$	-3	

	$2x^2$	$-5x$	-3
x	$2x^3$	$-5x^2$	$-3x$
2	$4x^2$	$-10x$	-6

$$2x^3 - x^2 - 13x - 6$$

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

	x	3	
x	x^2	$3x$	$x^2 + 2x - 3$
-1	$-x$	-3	

	x^2	$2x$	-3
$3x$	$3x^3$	$6x^2$	$-9x$
2	$2x^2$	$4x$	-6

$$3x^3 + 8x^2 - 5x - 6$$

$$(2x-3)(3x+1)(x-4)$$

	$2x$	-3	
$3x$	$6x^2$	$-9x$	$6x^2 - 7x - 3$
1	$2x$	-3	

	$6x^2$	$-7x$	-3
x	$6x^3$	$-7x^2$	$-3x$
-4	$-24x^2$	$28x$	12

$$6x^3 - 31x^2 + 25x + 12$$