1. $x^2 - 36$

x	-6
x^2	-6x
6x	-36

	-	+	=
	1	36	35
	2	18	16
x	3	12	9
	4	9	5
	6	6	0
6			

Final: $x^2 - 36 = (x - 6)(x + 6)$

2. $4x^2 - 25$

2x	-5
$4x^2$	-10x
10x	-25

		-	+	=
		1	100	99
		2	50	48
2x	5	4	25	21
		5	20	15
		10	10	0

Final: $4x^2 - 25 = (2x - 5)(2x + 5)$

3. $9x^2 - 16$

3x	-4
$9x^2$	-12x
12x	-16

	-	+	=
	1	144	143
	2	77	75
3x	3	48	45
	4	36	31
	6	24	18
	8	18	10
	9	16	7
4	12	12	0

Final: $9x^2 - 16 = (3x - 4)(3x + 4)$