Factor: $2x^2 + 11x + 15$

$2x^2$	
	15

Factors of 30

Col 1	Col 2	Col 1 + Col 2
1	30	31
2	15	17
3	10	13
5	6	11

5 + 6 gives us a positive 11.
Therefore 5 and 6 are my factors.

	2x	**5**	
	$2x^2$	5x	**x**
	6x	15	**3**

Therefore, my final answer is $2x^2 + 11x + 15 = (2x + 5)(x + 3)$.