Clues: Build a rectangle from the symbols for each problem (***all of them can be done***). Then record the *over* and *up* amounts. Take your time and **PAY ATTENTION to how many pieces to get out. You'll need to write plus signs (+) in some places.** ***Important hint***: there is more than one way to arrange 4 squares: as a (1)(4) shape, or as a (4)(1) shape, or as a (2)(2) shape. Note well: All of these algebra expressions can be factored.

[These two columns are for marking if correct]

	Built Right?	Written Right?
1.) $4x^2 + 4x + 1 = (\_\_\_ + \_\_\_)(\_\_\_ + \_\_\_)$	Yes No	Yes No
2.) $4x^2 + 8x + 3 = (\_\_\_ + \_\_\_)(\_\_\_ + \_\_\_)$	Yes No	Yes No
3.) $4x^2 + 13x + 3 = (\_\_\_ \quad \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No
4.) $4x^2 + 12x + 9 = (\_\_\_ \quad \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No
5.) $4x^2 + 15x + 9 = (\_\_\_ \quad \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No
6.) $4x^2 + 13x + 10 = (\_\_\_ \quad \_\_\_)(\_\_\_ + \_\_\_)$	Yes No	Yes No
7.) $4x^2 + 16x + 15 = (\_\_\_ + \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No
8.) $4x^2 + 17x + 15 = (\_\_\_ + \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No
9.) $\underline{3}x^2 + 16x + 16 = (\_\_\_ \quad \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No
10.) $\underline{3}x^2 + 22x + 24 = (\_\_\_ \quad \_\_\_)(\_\_\_ \quad \_\_\_)$	Yes No	Yes No