**5.4 – Subtracting Polynomials**

Just like for adding polynomials, we can use algebra tiles to help us subtract polynomials. Sometimes, we need to add \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ so that we are able to take away the correct number of tiles.

Ex. 1:

To subtract polynomials algebraically, we must distribute the subtraction to all of the terms in the second polynomial. This essentially \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on each term in the second polynomial. Then, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as usual to simplify.

Ex. 2: Subtract the following polynomials algebraically.



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| Method 1 - Horizontally | Method 2 - Vertically |
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