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| \*Learning Target: |
| \*Critical Content: |

Remember: Binomials -

To multiply binomials, we \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A shortcut of the distributive property is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

F\_\_\_\_\_\_ O\_\_\_\_\_\_\_\_\_ I\_\_\_\_\_\_\_\_\_\_ L\_\_\_\_\_\_\_\_\_

Ex1a: Ex1b:

Ex2a: Ex2b:

-When we multiply two linear expressions, we get a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Quadratic expression-

Ex: A contractor is building a deck around a rectangular swimming pool. The deck is x feet from every side of the pool. Write an expression for the total area of the pool and deck.

\*We can also multiply polynomials – use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ex: Ex:

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| **Find each product.** | | | |
| 1) | 2) | 3) | 4) |
| 5) | 6) | 7) | 8) |
| 9) | | 10) | |
| 11) | | 12) | |
| 13) | | | |
| 14) The dimensions of a sand volleyball court are represented by a width of feet and a length of feet. | | | |
| a) Write an expression that represents the area of the court. | | | |
| b) If y = 9, find the area of the volleyball court. | | | |