**8.3: Solving Equations using the Distributive Property**

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| Drills |
| 1. Write an equation for:   * 3 less than 4 times a number is 42  * 18 plus the square of a number is -12   2. Solve:  a) b)  c)  d) |



Last class we saw that we will do BEDMAS backwards to solve equations. Sometimes we must first \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ before we try to solve.



Ex. 1: Solve and check 



Ex. 2: Solve and check 

Method 1: distribute first Method 2: cancel fraction first



Ex. 3: Solve and check 



Ex. 4: With a partner, sitting back to back, try to describe how to solve the given equation to your partner:



My equation to describe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

My partner’s equation solution:

Ex. 4: A hexagon has a perimeter of 41.4 units. The side length of the hexagon is represented by the expression 2(3-d). What is the value of d?



**PRACTICE:** Pg. 319 # 4, 6, 8, 9, 24