Name _____

Date _____ Pd _____

DISTRIBUTING A NEGATIVE NUMBER

A negative sign indicates the _____ of the number.

List the opposite of each of the terms below.

8   −5   x   −3x   1   −9x

DISTRIBUTING A NEGATIVE	• When distributing a negative number, you are multiplying each term within the parentheses by the negative number outside the parentheses. • This results in finding the _____ of each term within the parentheses. Ex: −3(2 + 4x) = _____

In 1-8, practice simplifying the expression by distributing the negative number.

1. $-2(g + 5)$	2. $-2(-g + 5)$	3. $-2(g - 5)$	4. $-2(-g - 5)$
5. $-3(4a + 2)$	6. $-3(-4a + 2)$	7. $-3(4a - 2)$	8. $-3(-4a - 2)$

What do you notice about questions 1-8 above?

_____

_____

What mistakes might be made when distributing a negative?

_____

_____