

Pre-Algebra Review WS
Distributive Property/Combining Like Terms

*Minus times minus results in a plus,
The reason for this, we needn't discuss.*

- Ogden Nash

<u>Adding Rules</u>	<u>Multiplying Rules</u>
1. If the signs are the same, _____ the numbers and _____ the sign.	$+ \square + = \underline{\hspace{2cm}}$
2. If the signs are different, _____ the numbers, keep the sign of the _____ number.	$- \square - = \underline{\hspace{2cm}}$
	$+ \square - = \underline{\hspace{2cm}}$
	$- \square + = \underline{\hspace{2cm}}$

Simplify each expression.

1. $5a + 8a$

2. $7x - 10x$

3. $5(4a - 5)$

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4. $-3x + 8(x + 2)$

5. $t - 3 + 2(t + 2)$

6. $x - 3x + 2x + 4$

7. $-4(3b - 2) + 10b + 5$

8. $12 - 4(-2x + 5)$

10. $6(2x + y) + 2y - 12x$