



1. Multiplying Variables – Basic Problems

Simplify the following algebraic expressions.

$5(m)$	$8(x)$	$-6(a)$
$4(6x)$	$-7(5p)$	$9y(4)$

2. The Distributive Property (aka Clearing Parentheses)

Simplify the following algebraic expressions by using the distributive property.

$5(x + 4)$	$3(2m - 5)$
$-6(y + 2)$	$-3(x - 4)$



Multiplying Variables

Things do NOT need to match when multiplying. Just multiply everything together and slap the letter on the end.

Distributive Property

Multiply the outside number by everything inside the parenthesis.

Memory Trick: Draw Loopy Loopy Arrows



Using the distributive property gets rid of parentheses!

Assignment 1-5 Multiplying with Variables

Simplify the following expressions using basic multiplication.

1. $7m(5n)$	2. $-8y(5x)$	3. $6a(-4b)$
4. $-7y(-6z)$	5. $8(g)$	6. $-7(x)$
7. $6(5x)$	8. $-9(-3d)$	9. $4(y)$

Simplify the following expressions using the distributive property.

10. $4(x + 7)$	11. $5(y - 6)$	12. $7(m - 3)$
13. $-2(x + 6)$	14. $-6(y - 4)$	15. $-9(a - 1)$



Don't forget to immediately check your answers using the solutions manual. That is the best way to learn algebra!!