

# Assignment 1-5 Multiplying with Variables

Simplify the following expressions using basic multiplication.

1. $(7m)(5n)$ $35mn$	2. $(-8y)(5x)$ $-40yx$ or $-40xy$ Good ↑ Better ↑	3. $(6a)(-4b)$ $-24ab$
4. $(-7y)(-6z)$ $42yz$	5. $8(g)$ $8g$	6. $-7(x)$ $-7x$
7. $(6)(5x)$ $30x$	8. $(-9)(-3d)$ $27d$	9. $4(y)$ $4y$

Simplify the following expressions using the distributive property.

10. $4(x+7)$ $4x+28$	11. $5(y-6)$ $5y-30$	12. $7(m-3)$ $7m-21$
13. $(-2)(x+6)$ $-2x-12$	14. $(-6)(y-4)$ $-6y+24$	15. $(-9)(a-1)$ $-9a+9$



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