**Rules for Algebraic Expressions**

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| **Rule** | **Example** | **Equation** |
| Combining Like Terms | $3x+5x=(3+5)x=8x$ | $ax+bx=(a+b)x$ |
| Distributive Property | $2(3+x)=2⋅3+2⋅x=6+2x$ | $a(b+c)=ab+ac$ |
| Simplifying Expressions | $4x+7+3x=(4+3)x+7=7x+7$ | $ax+b+cx=(a+c)x+b$ |
| Evaluating Expressions | $3x+4 for x=2 is 3⋅2+4=6+4=10$ | $ax+b for x=c is ac+b$ |
| Substitution | $2x+3y for x=1 and y=2 is 2⋅1+3⋅2=2+6=8$ | $ax+by for x=c and y=d is ac+bd$ |