**Multiplication Property of Exponents**

Property:

Example: Multiplying Powers

Re-write each expression using each base only once:

1. $11^{4}•11^{5}$ 2) $2^{3}•2^{2}•2^{-1}$ 3) $5^{-4}•5^{4}$

Example: Multiplying Powers in an Algebraic Expression

Simplify each expression:

1. $x•x^{2}•x^{3}$ 5) $2n^{5}•7n^{-2}$

$6) a•a^{5}$ 7) $n^{2}•n^{3}•7n$ 8) $6y^{2}•3y^{3}•2y^{-4}$

Simplify each expression:

$9) c^{4}•d^{-3}•c^{7}$ 10) $5m•2p^{4}•3m^{8}$

$11) b•a•b^{5}$ 12) $2y^{3}•7x^{2}•2y^{4}$ 13) $m^{5}•n^{-6}•7m$