**MATH MONKS**

# Multiplying Monomials

—— Simplify each expression ——

① $(x^2)(2x^2) =$ _____

② $(15x^4)(3x^9) =$ _____

③ $4y^3 \times (-2y) =$ _____

④ $-8xy^2 \times 3x^2y =$ _____

⑤ $12y^2z^3 \times (-y^2z) =$ _____

⑥ $5u^5t \times 3ut^2 =$ _____

⑦ $(-10x^4y^8)(2x^9y^5) =$ _____

⑧ $(-5x^3y^2)(-2x^4y^5) =$ _____

⑨ $(4x^3y^4)(5x^2y^2) =$ _____

⑩ $(-20x^4y^8)(2x^9y^5) =$ _____

⑪ $(3mn^2)(9m^2n) =$ _____

⑫ $(7x^4y^6)(4x^3y^4) =$ _____

⑬ $(2r^2t)(5t^3) =$ _____

⑭ $(9x^5y)(-3x^3y^3) =$ _____

Name : _____

Score : _____ Date : _____

MATH MONKS

# Multiplying Monomials

## Answers

① $(x^2)(2x^2) =$ ___$2x^4$___

② $(15x^4)(3x^9) =$ ___$45x^{13}$___

③ $4y^3 \times (-2y) =$ ___$-8y^4$___

④ $-8xy^2 \times 3x^2y =$ ___$-24x^3y^3$___

⑤ $12y^2z^3 \times (-y^2z) =$ ___$-12y^4z^4$___

⑥ $5u^5t \times 3ut^2 =$ ___$15u^6t^3$___

⑦ $(-10x^4y^8)(2x^9y^5) =$ ___$-20x^{13}y^{13}$___

⑧ $(-5x^3y^2)(-2x^4y^5) =$ ___$10x^7y^7$___

⑨ $(4x^3y^4)(5x^2y^2) =$ ___$20x^5y^6$___

⑩ $(-20x^4y^8)(2x^9y^5) =$ ___$-40x^{13}y^{13}$___

⑪ $(3mn^2)(9m^2n) =$ ___$27m^3n^3$___

⑫ $(7x^4y^6)(4x^3y^4) =$ ___$28x^7y^{10}$___

⑬ $(2r^2t)(5t^3) =$ ___$10r^2t^4$___

⑭ $(9x^5y)(-3x^3y^3) =$ ___$-27x^8y^4$___