

Name: _____

Date: _____



MONOMIALS

Multiply or divide each monomial correctly.

When multiplying, multiply the coefficients first and then multiply the variables by adding the exponents. When dividing, first, divide the coefficients and then divide the variables by subtracting the exponents.

1. $(8x^3y^3)(x^2y^4)(x^5y^{13}) =$ _____

2. $(12x^6y)(xy^4)(3xy^2) =$ _____

3. $(3xy)(11xy)(11y) =$ _____

4. $(14x^5)(2x^2y^7)(4y^2) =$ _____

5. $(9x)(4x^3)(2x^4y) =$ _____

6. $\frac{6x^{10}y}{2x^4y} =$ _____

7. $\frac{10xy^7}{2xy^2} =$ _____

8. $\frac{4x^5y^{10}}{4x^4y^4} =$ _____

9. $\frac{9x^3y^2}{3x^3y} =$ _____

10. $\frac{x^5y^3}{x^4y} =$ _____