monomials
division

#4

Example:

$$\frac{(4x^3y^5)}{(2x^2y)} =$$

1. Divide the coefficents.

$$\frac{(4x^3y^5)}{(2x^2y)} = \frac{4}{2} = 2$$

2. Divide the variables by subtracting the exponents.

$$\frac{(x^3)}{(x^2)} = x^{3-2} = x \qquad \frac{(y^5)}{(y)} = y^{5-1} = y^4$$

Answer: $2xy^4$

Divide the monomials.

1. $\frac{6x^2y^5}{2xy^2} =$ _____

2. $\frac{3x^4y^2}{1xy} =$ _____

3. $\frac{12x^3y}{3x^2y} =$ _____

4. $\frac{9x^4y^6}{3x^3y^6} =$ _____

5. $\frac{6x^4y^6}{3x^2y^4} =$ _____

6. $\frac{7x^3y^2}{7x^3y} =$ _____

7. $\frac{2x^{11}y^7}{x^8y^3} =$ _____

8. $\frac{15xy^{14}}{5y^3} =$ _____

9. $\frac{18x^2y^3}{3xy^3} =$ _____

10. $\frac{4y^{15}}{2y^{10}} =$ _____