

Correct. Rewrite with only positive exponents: $\frac{(6x^5y^3)^2}{(2x^4y^2)^2}$

Apply the exponents to the factors and use the power rule: $\frac{36x^{10}y^6}{4x^8y^4}$

Rewrite and use the quotient rule: $\frac{36}{4} \cdot \frac{x^{10}}{x^8} \cdot \frac{y^6}{y^4} = 9x^2y^2$

Evaluate the expression by replacing x and y with the values in the table.