

Name _____

Date _____

Year Group _____

Simplify the Expressions

1. $3(ab^2)(2^2ab)$ Answer = _____

2. $(2x^2y^3)^2(2x)$ Answer = _____

3. $x^2(x^7y^2)(xy^3)$ Answer = _____

4. $3a(ab^2)(2b^4)$ Answer = _____

5. $3(x^6y^2)(5x^2y^3)^3$ Answer = _____

Click the button for the correct answer

6. $\frac{4a^3b^4}{2a^2b^5}$ _____ $2ab$ _____ $\frac{2a}{b}$ _____ $\frac{2}{ab}$ _____ $\frac{2b}{a}$

7. $\frac{5x^5y^4}{x^5y}$ _____ $5y^3$ _____ $5xy^3$ _____ $\frac{5y^3}{x}$ _____ $\frac{5}{xy^3}$

8. $\frac{10a^9b^5}{11a^2b}$ _____ $\frac{10a^{11}b^5}{11}$ _____ $10a^{18}b^5$ _____ $\frac{10a^{11}b^6}{11}$ _____ $\frac{10a^7b^4}{11}$

9. $\frac{3x^3y^3}{9x^4y^5}$ _____ $\frac{1}{3x^{12}y^{15}}$ _____ $3x^{12}y^{15}$ _____ $\frac{1}{3xy^2}$ _____ $3xy^2$

10. $\frac{4a^{10}b^5}{7a^2b^5}$ _____ $\frac{4}{7a^8b}$ _____ $\frac{4a^8b}{7}$ _____ $\frac{4}{7a^8}$ _____ $\frac{4a^8}{7}$