

Review for Exponents Quiz (IC 9)

1. $x^{-11} \cdot x^{-7}$

2. $(7x^3y^8)^2$

3. $\left(\frac{6c^8}{8c^5}\right)^2$

4. $\left(\frac{x^5y^{11}}{xy^6}\right)^4$

5. $(-11ab)(-4a^8b^6)$

6. $(-4m^7n^3)^4$

7. $(2a^6b)^3(-5a^4b^8)$

8. $x^3 \cdot x^{-8}$

9. $\frac{-4c^{17}d^8}{30c^9d^2}$

10. $(5xy^4)(x^{17}y^{16})$

11. $\frac{-2r^8s^{22}}{-12r^8s^{18}}$

12. $\frac{(-8a^6b^2)(3ab^7)}{36a^4b}$

13. $(2x^{-3})^2$

14. $\frac{16x^{-3}}{-8x^{-10}y^6}$

15. $\frac{54x^8y^6}{(3x^4y^2)^3}$

$$16. (-3x^5y^4)^3$$

$$17. \frac{18x^7y}{28x^{11}y^{-4}}$$

$$18. \frac{24x^{-5}y^3}{14x^2y^{-2}}$$

$$19. \frac{(2a^3b^4)^5}{-4a^{10}b^{15}}$$

$$20. \frac{42x^7y^{15}}{7xy^{15}}$$

$$21. (4xy^2)(2x^4y^5)^4$$

$$22. (5x^{-2}y^3)(6x^4y^{-7})$$

$$23. (3x^5y^4)^2(2x^7y^9)^2$$

$$24. \frac{(-7a^5b^6)(-4a^4b^7)}{35a^{15}b^{12}}$$