

1.7 Reviewing the Exponent Laws

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|--|--|
| 1. $\frac{1}{16}$ | 2. 1 |
| 3. $\frac{1}{4}$ | 4. 25 |
| 5. a^8 | 6. 1 |
| 7. y^3 | 8. $b^{-2} = \frac{1}{b^2}$ |
| 9. z^3 | 10. m^8 |
| 11. x^3 | 12. $y^6 = \sqrt[6]{y}$ |
| 13. x^{10} | 14. $z^9 = \sqrt[9]{z}$ |
| 15. $\frac{5}{a^2} \cdot \frac{1}{a^2}$ | 16. $a^{-6}b^{-4} = \frac{1}{a^6b^4}$ |
| 17. 1 | 18. 3 |
| 19. $\frac{y^2}{9}$ | 20. $\frac{m^3}{n^6}$ |
| 21. $\frac{b^{12}}{c^{18}}$ | 22. $\frac{x^{12}}{y^6}$ |
| 23. $6a^4b^5c$ | 24. $24x^2y^6$ |
| 25. $-15a^6b^3$ | 26. $6mn^4$ |
| 27. $12x^{-2}y^{-6} = \frac{12}{x^2y^6}$ | 28. $-8a^{-2}b^{-3} = \frac{-8}{a^2b^3}$ |
| 29. $8ab^3$ | 30. $-6x^2y^4$ |
| 31. $-3m^{-4}n^2 = \frac{-3n^2}{m^4}$ | 32. $8x^{-4} = \frac{8}{x^4}$ |
| 33. $9x^8$ | 34. $25y^6$ |
| 35. $8c^{-6}d^{-12} = \frac{8}{c^6d^{12}}$ | 36. $\frac{n^4}{16m^6}$ |
| 37. $\frac{36w^2}{25z^2}$ | 38. $\frac{-a^6}{8b^9}$ |
| 39. $16y^8$ | 40. $9m^{10}$ |
| 41. $\frac{8}{15}$ | 42. 24 |
| 43. 5 | 44. 500 |

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