Exponents—Part 2—Answers

1. 1
2. \(-1\)
3. \(\frac{1}{16}\)
4. \(-\frac{1}{81}\)
5. \(\frac{1}{81}\)
6. \(-\frac{1}{125}\)
7. \(-\frac{1}{49}\)
8. \(\frac{25}{36}\)
9. \(\frac{16}{9}\)
10. \(\frac{4}{3}\)
11. \(-\frac{1}{64}\)
12. 64
13. \(\frac{4}{25}\)
14. \(\frac{1}{81}\)
15. \(\frac{1}{49}\)
16. 64
17. \(x^3\)
18. \(x^{15}\)
19. \(x^4y^2\)
20. \(x^7\)
21. \(x^{28}\)
22. \(\frac{y^3}{x^8}\)
23. \(\frac{3}{4x^8}\)
24. \(\frac{6y^6}{5x^2}\)
25. \(\frac{9y^4}{25x^{10}}\)
26. \(125y^{12}\)
27. \(\frac{8y^{27}}{27x^{31}}\)
28. \(\frac{16}{27x^{16}y^3}\)
29. \(\frac{128x^5}{y^{22}}\)