Evaluate the expression.

1. $2^{-2} \cdot 2^{0}$ [A] –4 [B] 4 [C] 0 [D] $\frac{1}{4}$

2. $2^{-4} \cdot 2^{0}$ [A] 0 [B] 16 [C] $\frac{1}{16}$ [D] –8

3. $5^{-7} \cdot 5^{0}$ [A] $\frac{1}{78{,}125}$ [B] 0 [C] 78,125 [D] –35

4. $3^{-2} \cdot 3^{0}$ [A] 0 [B] 9 [C] –6 [D] $\frac{1}{9}$

5. $6^{-3} \cdot 6^{0}$ [A] 216 [B] $\frac{1}{216}$ [C] 0 [D] –18

6. $4^{-6} \cdot 4^{0}$ [A] 0 [B] –24 [C] 4096 [D] $\frac{1}{4096}$

7. $2^{-5} \cdot 2^{0}$ [A] $\frac{1}{32}$ [B] 32 [C] –10 [D] 0

8. $5^{-4} \cdot 5^{0}$ [A] 0 [B] –20 [C] 625 [D] $\frac{1}{625}$

9. $3^{-7} \cdot 3^{0}$ [A] 0 [B] $\frac{1}{2187}$ [C] 2187 [D] –21

10. $6^{-2} \cdot 6^{0}$ [A] 0 [B] 36 [C] $\frac{1}{36}$ [D] –12

11. 2^{0} [A] 0 [B] 2 [C] 1 [D] $\frac{1}{2}$

12. 6^{-1} [A] $\frac{1}{2}$ [B] $\frac{1}{6}$ [C] $\frac{2}{3}$ [D] $\frac{1}{3}$

Evaluate the expression.

13. 9^{-2} [A] –18 [B] $\frac{1}{18}$ [C] 81 [D] $\frac{1}{81}$

14. 3^{0} [A] 0 [B] 3 [C] $\frac{1}{3}$ [D] 1

15. 7^{-1} [A] $\frac{2}{7}$ [B] $\frac{4}{7}$ [C] $\frac{1}{7}$ [D] $\frac{3}{7}$

16. 5^{-2} [A] –10 [B] $\frac{1}{10}$ [C] $\frac{1}{25}$ [D] 25

17. 2^{-3} [A] –6 [B] $\frac{1}{8}$ [C] 8 [D] $\frac{1}{6}$

18. 9^{0} [A] 0 [B] 1 [C] $\frac{1}{9}$ [D] 9

19. 8^{-1} [A] $\frac{3}{8}$ [B] $\frac{1}{8}$ [C] $\frac{1}{4}$ [D] $\frac{1}{2}$

20. 4^{-2} [A] –8 [B] $\frac{1}{16}$ [C] 16 [D] $\frac{1}{8}$

21. $\frac{10^{0}}{10^{3}}$

22. $\frac{6^{0}}{6^{4}}$

23. $\frac{9^{0}}{9^{2}}$

Evaluate the expression.

24. $\frac{2^0}{2^3}$

25. $\frac{3^0}{3^4}$

26. $\frac{8^0}{8^2}$

27. $\frac{4^0}{4^3}$

28. $\frac{5^0}{5^4}$

29. $\frac{7^0}{7^2}$

30. Simplify and write the expression with positive exponents only: $5x^0y^{-1}$

31. Simplify and write the expression with positive exponents only: $4x^{-1}y^0$

32. Simplify and write the expression with positive exponents only: $9x^0y^{-1}$

33. Simplify and write the expression with positive exponents only: $3x^{-1}y^0$

34. Simplify and write the expression with positive exponents only: $8x^0y^{-1}$

35. Simplify and write the expression with positive exponents only: $7x^{-1}y^{0}$

36. Simplify and write the expression with positive exponents only: $6x^{0}y^{-1}$

37. Simplify and write the expression with positive exponents only: $5x^{-1}y^{0}$

38. Simplify and write the expression with positive exponents only: $4x^{0}y^{-1}$

39. Simplify and write the expression with positive exponents only: $9x^{-1}y^{0}$

Write the following without negative or zero exponents.

40. $x^{0}\ x^{-14}$ [A] $\frac{1}{x^{14}}$ [B] $\frac{1}{x^{13}}$ [C] x^{0} [D] x^{14}

41. $x^{0}\ x^{-13}$ [A] x^{0} [B] $\frac{1}{x^{13}}$ [C] x^{13} [D] $\frac{1}{x^{12}}$

42. $x^{0}\ x^{-15}$ [A] x^{15} [B] $\frac{1}{x^{15}}$ [C] x^{0} [D] $\frac{1}{x^{14}}$

43. $x^{0}\ x^{-6}$ [A] $\frac{1}{x^{6}}$ [B] x^{0} [C] x^{6} [D] $\frac{1}{x^{5}}$

44. $x^{0}\ x^{-10}$ [A] x^{0} [B] $\frac{1}{x^{11}}$ [C] $\frac{1}{x^{10}}$ [D] x^{10}

45. $x^{0}\ x^{-9}$ [A] $\frac{1}{x^{9}}$ [B] $\frac{1}{x^{10}}$ [C] x^{9} [D] x^{0}

46. $x^{0}\ x^{-7}$ [A] x^{0} [B] x^{7} [C] $\frac{1}{x^{8}}$ [D] $\frac{1}{x^{7}}$

47. $x^{0}\ x^{-12}$ [A] x^{0} [B] $\frac{1}{x^{12}}$ [C] x^{12} [D] $\frac{1}{x^{11}}$

Write the following without negative or zero exponents.

48. $x^0\ x^{-5}$ [A] x^0 [B] $\frac{1}{x^5}$ [C] x^5 [D] $\frac{1}{x^6}$

49. $x^0\ x^{-11}$ [A] x^{11} [B] $\frac{1}{x^{11}}$ [C] x^0 [D] $\frac{1}{x^{10}}$

50. $\frac{x^{-2}}{x^{-7}}$ [A] $\frac{1}{x^5}$ [B] $\frac{1}{x^9}$ [C] x^5 [D] x^9

51. $\frac{x^{-6}}{x^{-7}}$ [A] $\frac{1}{x}$ [B] $\frac{1}{x^{13}}$ [C] x^{13} [D] x

52. $\frac{x^{-3}}{x^{-7}}$ [A] $\frac{1}{x^4}$ [B] x^4 [C] x^{10} [D] $\frac{1}{x^{10}}$

53. $\frac{x^{-1}}{x^{-9}}$ [A] $\frac{1}{x^8}$ [B] x^{10} [C] $\frac{1}{x^{10}}$ [D] x^8

54. $\frac{x^{-7}}{x^{-8}}$ [A] $\frac{1}{x^{15}}$ [B] x [C] x^{15} [D] $\frac{1}{x}$

55. $\frac{x^{-5}}{x^{-8}}$ [A] x^3 [B] $\frac{1}{x^{13}}$ [C] x^{13} [D] $\frac{1}{x^3}$

56. $\frac{x^{-2}}{x^{-9}}$ [A] x^7 [B] x^{11} [C] $\frac{1}{x^7}$ [D] $\frac{1}{x^{11}}$

57. $\frac{x^{-2}}{x^{-8}}$ [A] $\frac{1}{x^{10}}$ [B] $\frac{1}{x^6}$ [C] x^6 [D] x^{10}

58. $\frac{x^{-5}}{x^{-6}}$ [A] x [B] $\frac{1}{x}$ [C] $\frac{1}{x^{11}}$ [D] x^{11}

59. $\frac{x^{-1}}{x^{-8}}$ [A] x^9 [B] $\frac{1}{x^7}$ [C] x^7 [D] $\frac{1}{x^9}$

Write the following without negative or zero exponents.

60. $\dfrac{9a^{7}b^{-3}}{81a^{-3}b^{-7}}$

61. $\dfrac{4a^{-9}b^{6}}{16a^{5}b^{-3}}$

62. $\dfrac{7a^{-6}b^{-5}}{49a^{-2}b^{-4}}$

63. $\dfrac{2a^{8}b^{-8}}{4a^{-7}b^{-2}}$

64. $\dfrac{5a^{-3}b^{7}}{25a^{-4}b^{5}}$

65. $\dfrac{6a^{-4}b^{2}}{36a^{-6}b^{9}}$

66. $\dfrac{3a^{-2}b^{9}}{9a^{-9}b^{-8}}$

67. $\dfrac{8a^{-5}b^{-4}}{64a^{8}b^{-6}}$

68. $\dfrac{2a^{4}b^{-7}}{4a^{3}b^{-5}}$

69. $\dfrac{15a^{4}b^{4}c^{-8}}{3a^{0}b^{-3}c^{5}}$

Write the following without negative or zero exponents.

70. $\dfrac{12a^3b^3c^{-5}}{2a^0b^{-5}c^4}$

71. $\dfrac{28a^2b^5c^{-7}}{4a^0b^{-4}c^2}$

72. $\dfrac{8a^5b^2c^{-6}}{2a^0b^{-2}c^3}$

73. $\dfrac{20a^4b^3c^{-9}}{4a^0b^{-3}c^3}$

74. $\dfrac{12a^2b^2c^{-8}}{3a^0b^{-2}c^2}$

75. $\dfrac{14a^5b^5c^{-9}}{2a^0b^{-5}c^4}$

76. $\dfrac{18a^3b^4c^{-6}}{3a^0b^{-4}c^5}$

77. $\dfrac{16a^4b^3c^{-5}}{4a^0b^{-2}c^2}$

78. $\dfrac{28a^3b^5c^{-7}}{4a^0b^{-3}c^4}$