

INTEGERS AND EXPONENTS

Name: _____ Date: _____

Find the value of each expression.

1. $4^{-5} =$ _____ 2. $1^{-3} =$ _____ 3. $6^{-1} =$ _____ 4. $2^{-2} =$ _____

5. $4^{-2} =$ _____ 6. $5^{-2} =$ _____ 7. $2^{-5} =$ _____ 8. $6^{-3} =$ _____

9. $4^{-3} =$ _____ 10. $2^{-4} =$ _____ 11. $8^{-3} =$ _____ 12. $7^{-3} =$ _____

13. $7^{-1} =$ _____ 14. $6^{-2} =$ _____ 15. $1^{-2} =$ _____ 16. $1^{-4} =$ _____

17. $8^{-1} =$ _____ 18. $3^{-3} =$ _____ 19. $7^{-2} =$ _____ 20. $4^{-1} =$ _____

21. $2^{-3} =$ _____ 22. $3^{-5} =$ _____ 23. $3^{-4} =$ _____ 24. $4^{-4} =$ _____

25. $3^{-1} =$ _____ 26. $8^{-4} =$ _____ 27. $5^{-3} =$ _____ 28. $6^{-4} =$ _____

29. $1^{-5} =$ _____ 30. $1^{-1} =$ _____ 31. $8^{-5} =$ _____ 32. $8^{-2} =$ _____

ANSWER KEY

Name: _____ Date: _____

Find the value of each expression.

1. $4^{-5} = \frac{1}{1024}$ 2. $1^{-3} = 1$ 3. $6^{-1} = \frac{1}{6}$ 4. $2^{-2} = \frac{1}{4}$

5. $4^{-2} = \frac{1}{16}$ 6. $5^{-2} = \frac{1}{25}$ 7. $2^{-5} = \frac{1}{32}$ 8. $6^{-3} = \frac{1}{216}$

9. $4^{-3} = \frac{1}{64}$ 10. $2^{-4} = \frac{1}{16}$ 11. $8^{-3} = \frac{1}{512}$ 12. $7^{-3} = \frac{1}{343}$

13. $7^{-1} = \frac{1}{7}$ 14. $6^{-2} = \frac{1}{36}$ 15. $1^{-2} = 1$ 16. $1^{-4} = 1$

21. $2^{-3} = \frac{1}{8}$ 22. $3^{-5} = \frac{1}{243}$ 23. $3^{-4} = \frac{1}{81}$ 24. $4^{-4} = \frac{1}{256}$

25. $3^{-1} = \frac{1}{3}$ 26. $8^{-4} = \frac{1}{4096}$ 27. $5^{-3} = \frac{1}{125}$ 28. $6^{-4} = \frac{1}{1296}$

29. $1^{-5} = 1$ 30. $1^{-1} = 1$ 31. $8^{-5} = \frac{1}{32768}$ 32. $8^{-2} = \frac{1}{64}$