Fraction exponents

Name _____ Date _____

1. $16^{\frac{1}{2}} =$ _____
2. $256^{-\frac{3}{4}} =$ _____
3. $243^{-\frac{1}{5}} =$ _____
4. $16^{\frac{1}{4}} =$ _____
5. $16^{\frac{3}{2}} =$ _____
6. $216^{\frac{1}{3}} =$ _____
7. $4^{-\frac{3}{2}} =$ _____
8. $9^{-\frac{3}{2}} =$ _____
9. $343^{\frac{2}{3}} =$ _____
10. $64^{\frac{1}{3}} =$ _____
11. $36^{\frac{3}{2}} =$ _____
12. $27^{\frac{1}{3}} =$ _____
13. $125^{\frac{2}{3}} =$ _____
14. $4^{\frac{3}{2}} =$ _____
15. $81^{\frac{3}{2}} =$ _____
16. $27^{-\frac{2}{3}} =$ _____
17. $64^{\frac{2}{3}} =$ _____
18. $81^{\frac{1}{2}} =$ _____
19. $9^{-\frac{3}{2}} =$ _____
20. $81^{-\frac{3}{2}} =$ _____
21. $125^{-\frac{1}{3}} =$ _____
22. $9^{-\frac{3}{2}} =$ _____
23. $1024^{\frac{3}{5}} =$ _____
24. $100^{-\frac{1}{2}} =$ _____

Fraction exponents

25. $512^{-\frac{2}{3}} =$ _____

26. $25^{\frac{3}{2}} =$ _____

27. $512^{\frac{2}{3}} =$ _____

28. $36^{\frac{3}{2}} =$ _____

29. $27^{\frac{1}{3}} =$ _____

30. $100^{\frac{1}{2}} =$ _____

31. $32^{\frac{3}{5}} =$ _____

32. $625^{\frac{1}{4}} =$ _____

33. $512^{-\frac{1}{3}} =$ _____

34. $16^{\frac{3}{2}} =$ _____

35. $25^{\frac{3}{2}} =$ _____

36. $36^{\frac{3}{2}} =$ _____

37. $729^{\frac{1}{3}} =$ _____

38. $729^{\frac{2}{3}} =$ _____

39. $16^{\frac{3}{2}} =$ _____

40. $16^{-\frac{3}{4}} =$ _____

41. $8^{\frac{1}{3}} =$ _____

42. $36^{\frac{1}{2}} =$ _____

43. $125^{\frac{2}{3}} =$ _____

44. $512^{\frac{2}{3}} =$ _____

45. $36^{\frac{1}{2}} =$ _____

46. $16^{-\frac{1}{4}} =$ _____

47. $9^{\frac{1}{2}} =$ _____

48. $16^{-\frac{1}{4}} =$ _____

49. $243^{\frac{1}{5}} =$ _____