



Exponent Problem Set 2

Rewrite with a radical sign.

1. $4^{\frac{1}{3}} =$

2. $3^{\frac{1}{2}} =$

3. $6^{\frac{1}{7}} =$

Evaluate.

4. $5^2 =$

5. $(-9)^2 =$

6. $2^{10} =$

7. $3^4 =$

8. $(-1)^{2064} =$

9. $(-1)^{2065} =$



Exponent Problem Set 2

Rewrite with a radical sign, then evaluate.

10. $(-9)^{\frac{1}{2}} =$

11. $8^{\frac{1}{3}} =$

12. $(16)^{\frac{1}{4}} =$

13. $27^{\frac{1}{3}} =$

14. $(64)^{\frac{1}{4}} =$

15. $81^{\frac{1}{4}} =$

16. $-4^{\frac{1}{2}} =$

17. $-49^{\frac{1}{2}} =$

18. $216^{\frac{1}{3}} =$



Exponent Problem Set 2

Evaluate.

19. $5^4 =$

20. $-6^3 =$

21. $(36)^{\frac{1}{2}} =$

22. $2^3 =$

23. $-5^3 =$

24. $(-7)^2 =$

25. $1000^{\frac{1}{3}} =$

26. $256^{\frac{1}{4}} =$

27. For which values of x is $(-1)^x$ positive?

28. For which values of x is $(-1)^x$ negative?