

nth Roots and Rational Exponents - Key

In problems 1-3, simplify each radical

1. 3	2. -2
3. -2	

In problem 4, use a calculator to write each expression as a decimal rounded to two decimal places

4. 1.44	
---------	--

In problems 5-6, simplify each radical

5. x or $ x $	6. $x+1$
-----------------	----------

In problems 7-9, evaluate each expression

7. -3	8. Not a real number
9. -4	

In problem 10, rewrite each of the following radicals with a rational exponent

10. $(4x)^{\frac{1}{7}}$	
--------------------------	--

In problems 11-14, evaluate each expression

11. 27	12. 32
13. 16	14. 64

In problems 15-16, rewrite each of the following radicals with a rational exponent

15. $x^{\frac{2}{6}} = x^{\frac{1}{3}}$	16. $(5x)^{\frac{5}{3}}$
---	--------------------------

nth Roots and Rational Exponents - Key

In problems 17-18, use a calculator to write each expression as a decimal rounded to two decimal places

17. 3.74	18. 1.38
----------	----------