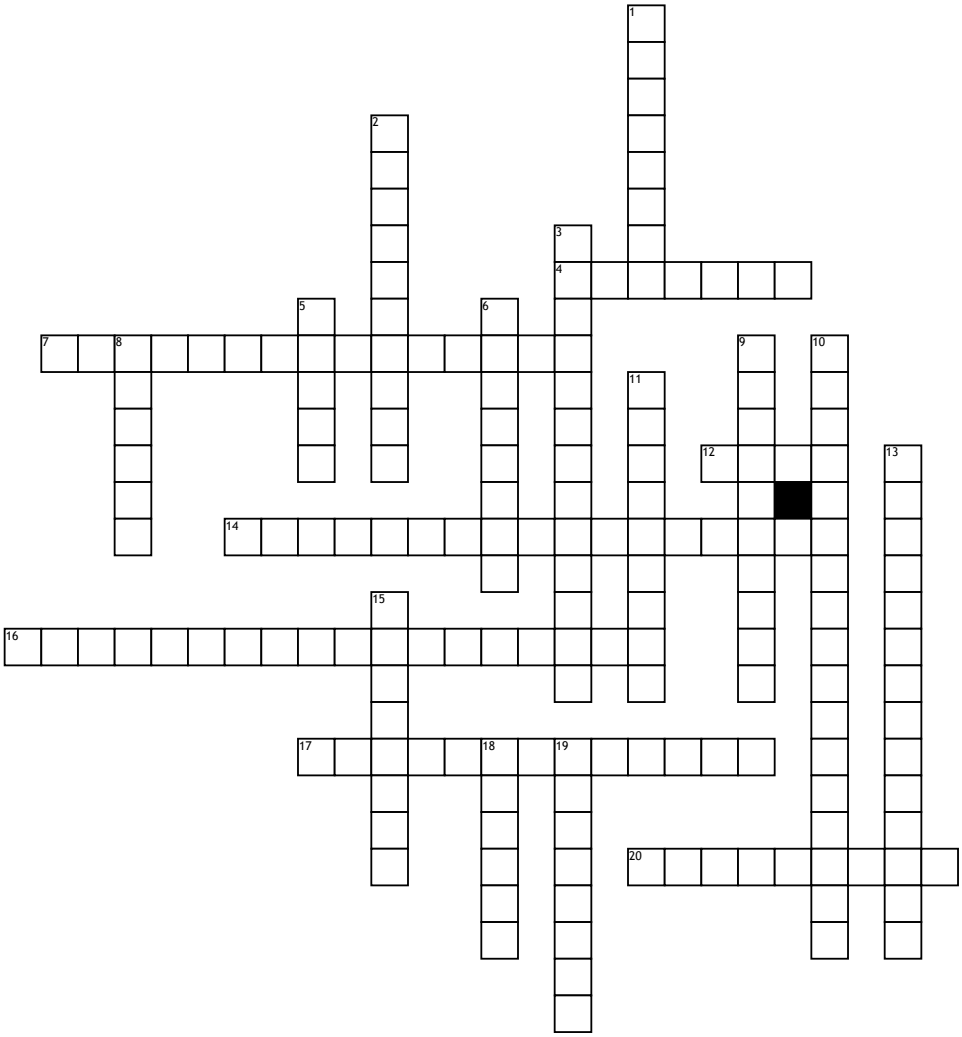
Name: _____ Date: _____

RADICALS BY SOPHIA AND RACHEL



Across

4. an expression that has a square root, cube root, etc

7. the n-th root of a radical

12. The number that is repeatedly multiplied in an exponential expression

14. cannot be written as a fraction, as a decimal they are unending (and without repetition)

16. imPOSSIBLE

17. the product of multiplying a number by itself 2 times

20. anything raised to the power of zero

Down

1. expression under the radical sign

2. Transformation that flips a graph over the x-axis

3. positive root of an even index

5. in the radical n√4, n would be the _____

6. when _____ radicals you cannot leave a radical in the denominator

8. best teacher around town

9. a number that produces a specified quantity when multiplied by itself

10. operations that "undo" each other

11. is formed by changing the sign between two terms in a binomial

13. negative exponent

15. a special value that, when used in a multiplication three times, gives that number.

18. a number to the power of three

19. reducing the radical down to its most simplest form

Word Bank

Principal root	Cube Root	Conjugate	Simplify
Base	Negative Square Root	Radical	Reflection
Square root	Zero power	Inverse Operations	Radicand
Index	Dividing	Dozier	Radical notation
Irrational Numbers	Perfect Square	Cubing	Negative powers