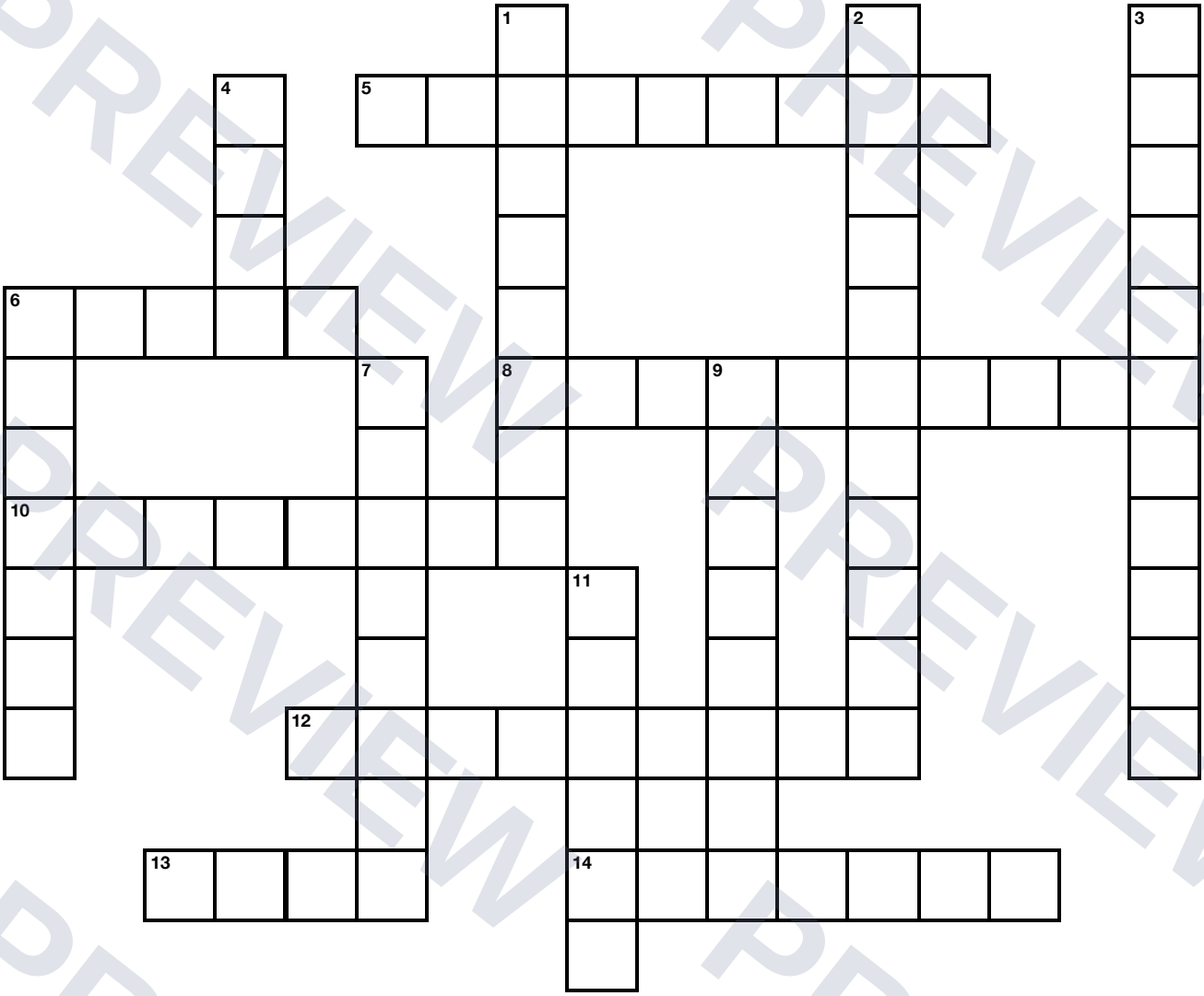
MATH
VOCAB
CROSSWORD

Rational Exponents & Radicals

ALGEBRA 2 · VERSION A

Name: _____ **Date:** _____ **Period:** _____

Directions: Read each clue and write the math vocabulary word in the puzzle, one letter per box.



ACROSS →

5 The ___ root is the nonnegative root, so $\sqrt{9} = 3$

6 In the cube root $\sqrt[3]{x}$, the small 3 is the ___

8 Squaring both sides can create an ___ solution

10 In $x^{1/2}$, the 1/2 is a rational ___

12 $1 - \sqrt{2}$ is the ___ of $1 + \sqrt{2}$

13 ___ radicals share index and radicand, e.g. $2\sqrt{3}$ and $5\sqrt{3}$

14 An expression with a root symbol, like $\sqrt{x}$

DOWN ↓

1 $\sqrt{12} = 2\sqrt{3}$ is in ___ form

2 To remove radicals from a denominator

3 Using one function's output as another's input: f(g(x))

4 $\sqrt[3]{8} = 2$ is a ___ root

6 A function that undoes another; written $f^{-1}(x)$

7 A ___-to-___ function passes the horizontal line test (no spaces)

9 In $\sqrt{50}$, the number 50 is the ___

11 $y = \sqrt{x}$ is the ___ root function

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Preview - the full worksheet and its answer key are at primeworksheet.com