

Name _____

Powering Up with Exponents and Radicals: Unleashing Mathematical Superheroes

Short Answer Key

1. Calculating compound interest in finance.
2. Finance.
3. To find the length of the hypotenuse of a right triangle using the Pythagorean theorem.
4. The Pythagorean theorem involves radicals to find the length of the hypotenuse of a right triangle, using the formula $c = \sqrt{a^2 + b^2}$.
5. The laws of exponents are used to simplify expressions involving radicals, while radicals are used to find solutions to exponential equations.

