

**Algebra 2**

**Unit: Exponential and Logarithmic Functions**

**Section: Solving Exponential and Logarithmic Equations**

**Flashcards: Solving Exponential Equations**

Directions: Answer the following questions.

1. Solve  $5^x = 3125$
2. Solve  $3^x = 112$ . Round your answer to the nearest hundredth.
3. Solve  $2^{x+1} = 15$ . Round your answer to the nearest hundredth.

Answers:

1.  $x = 5$
2.  $x \approx 4.29$
3.  $x \approx 2.91$