PoW 29: Solving for Exponents

1. Evaluate the exponents.

$$2^4 =$$

$$5^3 =$$

$$10^5 =$$

2. Solve the exponent equations.

$$2^x = 64 \ 5^y = 625$$

$$10^z = 100$$

3. A number a satisfies the equation $4^a = 40$. Which of the following is true?

$$a = 2.5$$

1. Practice

1. Practice

3. Apply

2. Work Backwards

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2. Work Backwards

Write one or two sentences justifying your answer. You will receive full credit for Part 3 if you provide a convincing argument for your answer.

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