

# Exponent Connect-the-Dots

SOLVE FOR THE UNKNOWN.

Circle each dot and answer.

- $x^3 = 64$
- $x^{1/3} = 3$
- $(4/9)^{1/2} = x$
- $5^{-1} = 5^x$
- $2^4 = 2^{3x}$
- $4^2 = 2^{5x}$
- $4^{3x} = 4^x + 12$
- $5^3 = x$
- $3^{5x} = 325$
- $9^x = 3$

Connect the dots in order.

- $6^x = 6$
- $x^3 = \frac{1}{27}$

Start a new line and connect the dots in order.

- $4^x = 16$
- $8 = 2^{3x}$
- $b^{2/3} = 4$
- $b^{1/2} = 4$
- $\sqrt[3]{4} = 4^x$
- $6^x = 36^{-2}$
- $5^x = \frac{1}{125}$
- $49^{1/2} = x$
- $25^2 = 5^{-3x}$
- $2^{20} = 4^x$
- $25^{-3/2} = x$
- $\frac{9}{25} = x^{-2}$
- $2^4 = 4^x$

Start a new line.

- $81 = x^{4/5}$
- $1 = 9^x$
- $\frac{1}{32} = 2^x$
- $\sqrt[3]{32} = 4^x$
- $2^x = 8^x + 6$
- $(x - 100)^{2/3} = 25$
- $9^x + 2 = 27^{-x}$
- $16^x = 2$

Encircle the circled answers.

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