Which of the following is a rational number?
$$\sqrt{6}$$
, $\sqrt{5}$, $\sqrt{4}$, $\sqrt{12}$ a. $\sqrt{12}$ b. $\sqrt{5}$

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ExamView

There are $\left(5^4\right)^4 \bullet 5^4$ candies in the store. How many candies are in the store?

ExamView

If $(3^3)^x = 3^{15}$, what is the value of x?

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ExamView

Which expression is equialent to $10^2 \cdot 10^{-6}$?

a.
$$10^{-3}$$

b. 10^{-4}

c.
$$10^{-1}$$

d. 10^{-2}

Which expression is equialent to $h^{-m} + h^{k}$?

$$k = \frac{1}{2} - m - k$$

b. h^{-m+k}

c.
$$h^{-m+k}$$

d.
$$h^{-m \cdot k}$$

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ExamView

Find a rational number and an irrational number that are between 5.5 and 7.2. Include the decimal approximation of the irrational number to the nearest

ExamView

Johnny and Billy are multiplying $(5^8 \bullet 6^8)(5^8 \bullet 6^9)$

JOHINY S WOLK	вщуз work
$(5^8 \bullet 6^8)(5^8 \bullet 6^9)$	$\left \left(5^8 \bullet 6^8 \right) \left(5^8 \bullet 6^9 \right) \right $
$= \left(58+8\right)\left(68+9\right)$	$= \left(58 \times 8\right) \left(68 \times 9\right)$
=5 ¹⁶ 6 ¹⁷	$=5^{64}6^{72}$

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Is either correct? Explain.

ExamView

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If $(3^4)^x = 3^{20}$, what is the value of x?

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