Which of the following is an irrational number?

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ExamView

Which of the following is a rational number?

c:
$$\sqrt{4}$$

ExamView

Convert 31.161616... to a rational expression in the form of $\frac{a}{b}$, where $b \neq 0$.

a.
$$31\frac{99}{16}$$

b. $31\frac{16}{9999}$

c.
$$31\frac{16}{99}$$

d. $31\frac{16}{999}$

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ExamView

Convert 28.242424... to a rational expression in the form of $\frac{a}{b}$, where $b \neq 0$.

Which mathematical symbol would best fill in the blank between the two numbers?

$$\sqrt{24}$$
 $\frac{17}{10}$

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Identify the number that does not belong with the other three. Explain your reasoning.

$$\frac{16}{5}$$
 3.69 $\sqrt{114}$ 0.212121...

ExamView

Order the set of numbers from least to greatest: $\frac{-7}{8}$, -7, $-\sqrt{50}$, $\frac{-57}{8}$

a.
$$\frac{-57}{8}$$
, $-\sqrt{50}$, -7 , $\frac{-7}{8}$
b. $\frac{-7}{8}$, -7 , $-\sqrt{50}$, $\frac{-57}{8}$

c.
$$\frac{-7}{8}$$
, -7 , $\frac{-37}{8}$, $-\sqrt{5}$, d. $-\sqrt{50}$, $\frac{-57}{8}$, -7 , $\frac{-7}{8}$

1,-7,8

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Which mathematical symbol would best fill in the blank between the two numbers?

$$\sqrt{25} \frac{89}{28}$$