

**Simplify the following expression  $48^{1/2}$**

ANSWER

EXPLANATION

We want to simplify;

We rewrite this as

We try to remove the perfect square to obtain,

Recall that,

We apply this property to obtain,

This simplifies to,

Answer:

square root of 48 or  $4\sqrt{3}$

1. (10 pt) All echinoderms move by pumping water into their tube feet, and their body is protected by hard plates. What other characteristic is common to all echinoderms? A. They have tentacles. B. Their bodies have radial symmetry. C. Their bodies are made up of a head, thorax, and abdomen. D. They have eyespots.

Englishwhat is program Progressive nouns?

Which action during Washington's administration led to the Whiskey Rebellion in western Pennsylvania?

The Immigration Act (Emergency Quota Act) of 1921 restricted the entry of southern and eastern Europeans into the United States, but it did not impact the immigration of Mexicans to the U.S. Why was this exemption made?

A serving of ice cream contains 8500 calories. 1500 calories comes from fat. What percent of the total calories come from fat? What I think: 17.64%

Which best describes the main action called for by the Declaration of Independence? to seek peace with Great Britain

to give the United States the power of self-government

to declare war on Great Britain

to create the First Continental Congress

An electric vehicle starts from rest and accelerates at a rate of  $2.0 \text{ m/s}^2$  in a straight line until it reaches a speed of  $24 \text{ m/s}$ . the vehicle then slows at a constant rate of  $1.2 \text{ m/s}^2$  until it stops. (a) how much time elapses from start to stop? (b) how far does the vehicle move from start to stop?

3 tenths and 1 hundredth

When you write, the tone, vocabulary, and type of information you choose should vary depending on your

A. education. B. biases. C. audience. D. values.

Jared is constructing a rectangular door for a shed. If the door, shown below, has a width of 42 in. and a diagonal support of 94 in., what is the approximate height of the door? A. 136 in. B. 84 in. C. 52 in. D. 103 in.

A statistics professor plans classes so carefully that the lengths of her classes are uniformly distributed between 48.0 and 58.0 minutes. Find the probability that a given class period runs between 50.25 and 50.5 minutes. Find the probability of selecting a class that runs between 50.25 and 50.5 minutes.

What is the value of  $b^2 - 4ac$  for the following equation?  $2x^2 + 3x = -1$

What is the equation of the graph?  $y = 4x$   $y = x$   $y = -x$   $y = -4x$

Write a short speech on kindness?

Evaluate the line integral:  $\int_C (x^2 dx + y^2 dy)$   $C$  consists of the arc of the circle  $x^2 + y^2 = 4$  from  $(2,0)$  to  $(0,2)$  followed by the line segment from  $(0,2)$  to  $(4,3)$

9 Which term represents the attraction one atom has for the electrons in a bond from another atom? (1) electronegativity

(2) electrical conductivity

(3) first ionization energy

(4) mechanical energy

What do the superscripts and subscripts in the notation  $^{40}_{18}\text{K}$  represent?

Kento's recipe for a batch of muffins calls for  $2\frac{1}{2}$  cups of flour. How much flour would Kento need to make  $3\frac{1}{2}$  batches of muffins?

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