

What is the balanced equation for $\text{Fe} + \text{O}_2 \rightarrow \text{Fe}_3\text{O}_4$

Answer:

The balanced chemical reaction is:

Explanation:

Balanced chemical reaction : It is defined as the reaction in which the number of atoms of individual elements present on reactant side must be equal to the product side.

While balancing the chemical equation balance all the atoms of elements except oxygen atom which will be done in the last.

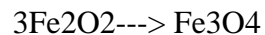
Step 1: Write three in front of iron;

Step 2: Now write two in front of oxygen gas;

The balanced chemical reaction is:

According to reaction, 3 moles of iron reacts with 2 moles of oxygen gas to give 1 mole of ferric oxide.

Answer:



Explanation:

You need to add three to the left side to make it equal to the one on the right, and add a 2 since you can't change the subscripts

Which of the following algebraic expressions will translate “the sum of eight and twice w”? $8 + w$

$$2(8) + w$$

$$8 = 2w$$

None of the choices are correct.

Why does a solute depress the freezing point? a. the solute is colder than the solvent.

b. the solute disrupts crystal formation by the solvent.

c. the solute tends to sink to the bottom of the solution.

d. the solute has bigger molecules than the solvent.

Bales of hay of 40 lbf move up a conveyor set at 30° angle to the ground. If the hay bales are moving at 1.5 ft/sec, determine the power required to move each bale, neglecting any wind or air resistance.

Banks borrow money (from other banks and from consumers' deposits) and then lend that money to others. This is an essential part of the maintenance of the health of the economy called A) demand control.

B) the law of supply.

C) market conditions.

D) availability of capital.

Total sales: 210.13

Sales tax rate: 7.25%

What are you supposed to do

Anita got 4 problems wrong on a test of 36 questions. what percent of the questions did she get correct

What is the greatest number of obtuse angles that a right triangle can contain A) 3

B) 1

C) 0

D) 2

Charlie had some tests done recently to assess his risk for certain diseases. The results showed that he has a waist circumference of 47 inches, a BMI of 29, and a normal skin fold measurement test. What should Charlie do? A. Charlie is a little too thin, he is most likely underweight, and he needs to consult a dietician or doctor to help him see how to modify his diet to gain some weight. B. Charlie should repeat the caliper test because it does not fit with the other information, and he should start an exercise routine and diet to reduce his body fat. C. Charlie should immediately start an exercise and diet program because all his tests indicate that he is extremely obese, which puts him at risk for several diseases. D. Charlie should repeat the BMI because the other tests were normal, and he should avoid changing his body composition because he'll be too overweight.

A water drops falls from the roof of a house during 3s, how high is the house?

Collapse or solution _____ form as underlying limestone bedrock dissolves and can no longer support the overlying soil, either sand or clay. A hole may form in the land surface and possibly fill with water.

A soccer player hits a ball with a velocity of 22 m/s at an angle of 36.9° above the horizontal. Air resistance can be ignored. a. b. c. (3) What are the x and y

components of the balls initial velocity? (3) How high does the ball go? (4) How long (time) does it take to get to the maximum height?

Which transformation of the function $f(x) = 3x^4 + 2x + 3$ shifts the function 5 units down and reflects it about the y-axis? A. $f(x) = 3x^4 + 2x + 2$

B. $f(x) = 3x^4 + 2x + 2$

C. $f(x) = 3x^4 + 2x + 2$

D. $f(x) = -3x^4 + 2x - 2$

A colony of bacteria originally contains 200 bacteria. It doubles in size every 30 minutes. How many hours will it take for the colony to contain 2,000 bacteria? (Round your answer to one decimal place.)

All of the following are extrusive landforms except A. batholiths. B. lava plateaus. C. shield volcanoes. D. geysers.

The publishing deadline for the winter edition of the newspaper was approaching, and Samuel and Tammy were arguing about multipliers. Samuel thought that to enlarge the 3 by 5 to a 6 by 10, they should multiply by $\frac{6}{3}$. Tammy was sure that they should multiply by $\frac{10}{5}$ Justin said it would be much simpler just to multiply each side by 2. Which student's method will work? Explain how you know.

A bulletin board can be covered completely by 30 square pieces of paper without any gaps or overlaps. If each piece of paper has side lengths of 1 foot, what is the total area of the bulletin board??

Does mars has a bulge near its equator ?

Which of the following are equal to $O(7)$ $O(n)=2n-1$

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