

Given the following demand equation: $Q = 100 - 5p$ Calculate the price that corresponds with a price elasticity value of negative 1.00. $p = ?$ (enter your response rounded to two decimal places?).

Answer:

$$P = 10$$

Explanation:

Given that,

price elasticity of demand (Negative) = -1

Demand equation: $Q = 100 - 5p$

Differentiating Q w.r.t p ,

Price elasticity of demand =

$$-1 = (-5) \times [P \div (100 - 5p)]$$

$$-1(100 - 5P) = -5P$$

$$-100 + 5P = -5P$$

$$10P = 100$$

$$P = 10$$

Therefore, the price of \$10 that corresponds with a price elasticity value of negative 1.00.

A polyhedron is a two-dimensional solid bounded by the polygonal regions formed by intersecting planes. true or false?

Roots that grow horizontally are called

Which u.s. president said in an annual message to congress, "today, more than ever before, american capital is seeking investment in foreign countries, and american products are more and more generally seeking foreign markets?"?

What does it mean for a research topic to be amenable to scientific study using a quantitative approach?

Why is it helpful to have a grid on a map

Two firefighters are fighting a fire with identical water hoses and nozzles, except that one is holding the hose straight so that the water leaves the nozzle in the same direction it comes, while the other holds it backward so that the water makes a U-turn before being discharged. Which firefighter will experience a greater reaction force?

Describe the potential effects when a keystone species is removed from a community.

according to George Herbert mead, what takes place during the first stage of learning how to take on the roles of others?

Which of the following best describes a person's genotype? A. The alleles that a person has

B. The number of genes a person has

C. The genes a person's parents have

D. The traits that a person has

Which of the following statements are incorrect? A.Stem vascular bundles in monocots are in a ring.

B.Dicot roots are fibrous in structure.

C.Pollen in monocots has one opening.

D.Dicots have floral parts mostly in multiples of fours and fives.

E.both A and B

What was the purpose of a poll tax?

The brown tree snake is used as an example of a(n) _____. a. poisonous species

b. endangered species

c. invasive species

d. domesticated species

An individual has \$30,000 invested in a stock with a beta of 0.7 and another \$45,000 invested in a stock with a beta of 2.3. If these are the only two investments in her portfolio, what is her portfolio's beta? Do not round intermediate calculations. Round your answer to two decimal places.

Tim must choose 4 graphic novels out of a collection of 13 to take on vacation. In how many ways can he select the graphic novels?

A. 28,561

B. 17,160

C. 715

D. 52

What can't you do with a square root expression

If the price index is 200, how much did a \$12 pizza (today) cost in the base year? question 9 options: a.\$1.20

b.\$24.00

c.\$6.00

d.\$3.00

Please help.. Find $(4.8 \times 10^6)(3.6 \times 10^3) / (2 \times 10^5)$,
expressed in scientific notation.

A) 8.64×10^4

B) 8.64×10^6

C) 8.64×10^8

D) 17.28×10^4

The most important lifestyle choice you can make to improve physical fitness is?

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