# SAT2-MATHEMATICS Q&As

SAT Section 2: Mathematics

## Pass Test Prep SAT2-MATHEMATICS Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

**https://www.leads4pass.com/sat2-mathematics.html**

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Test Prep Official Exam Center

- **Instant Download** After Purchase
- **100% Money Back** Guarantee
- **365 Days** Free Update
- **800,000+** Satisfied Customers

**QUESTION 1**

SIMULATION

Stephanie buys almonds at the grocery store for $1.00 per pound. If she buys 4 pounds of almonds and pays a 5% tax on her purchase, what is Stephanie\\'s total bill?

A. 4.20

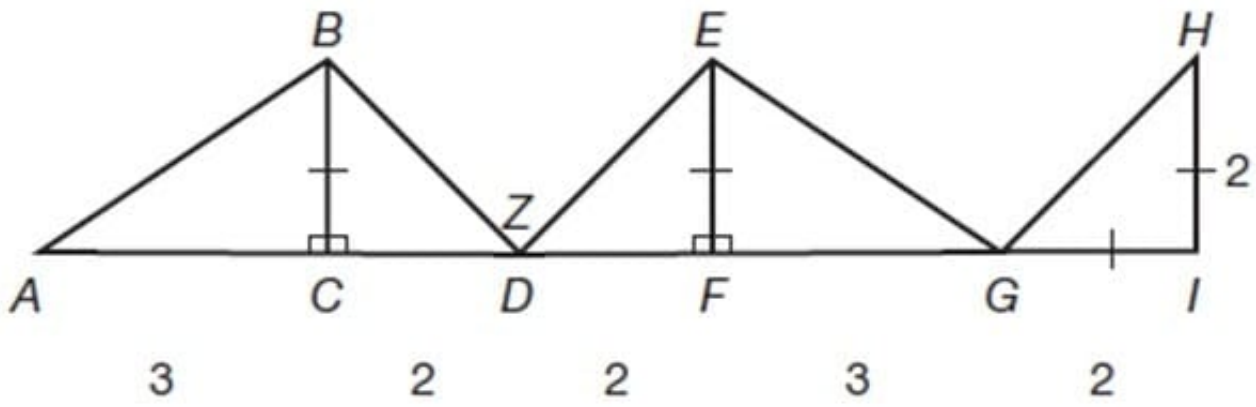
Correct Answer: A

If one pound of almonds costs $1.00, then 4 pounds of almonds costs 4($1.00) = $4.00. If Stephanie pays a 5% tax, then she pays ($4.00)(0.05) = $0.20 in tax. Her total bill is $4.00 + $0.20 = $4.20.

**QUESTION 2**

SIMULATION

Find the measure of angle Z.




A. 90

Correct Answer: A

Explanation:

Triangle DBC and triangle DEF are isosceles right triangles, which means the measures of ? BDC and ?EDF both equal 45°; 180 – (m?BDC + m?EDF) = m?Z; 180 – 90 = m?Z; m?Z = 90°.

**QUESTION 3**

If q is decreased by p percent, then the value of q is now

A. $q-p$

B. $q-\frac{p}{100}$

C. $\frac{-pq}{100}$

D. $q-\frac{pq}{100}$

E. $pq-\frac{pq}{100}$

A. Option A

B. Option B

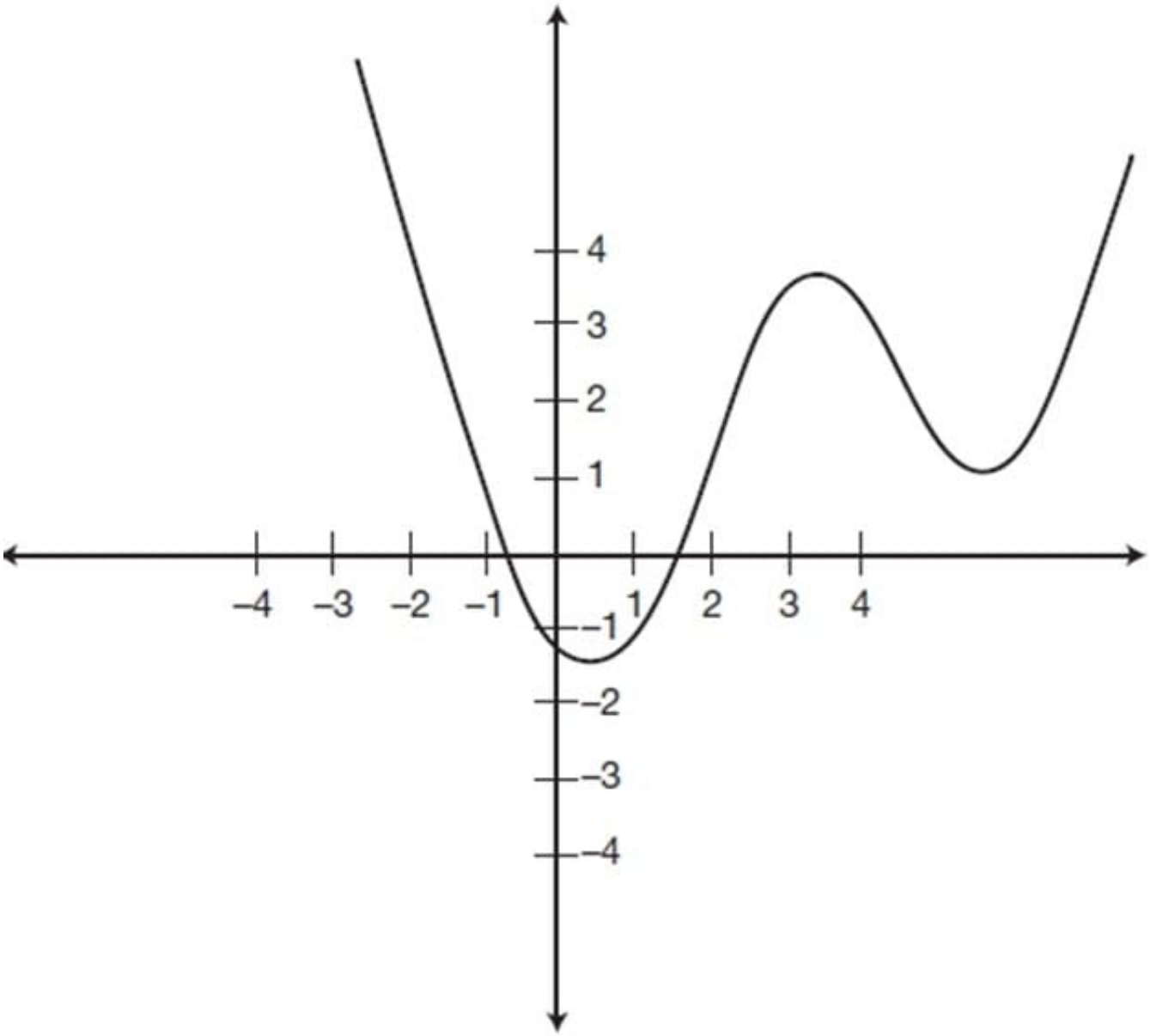
C. Option C

D. Option D

E. Option E

Correct Answer: D

**QUESTION 4**




In the diagram above of f(x), for how many values does f(x) = -1?

A. 0

B. 1

C. 2

D. 3

E. 4

Correct Answer: C

The function f(x) is equal to-1 every time the graph off (x) crosses the line y = -1. The graph off(x)crosses y = -1 twice; therefore, there are two values for which f(x) = -1.

**QUESTION 5**

Which of the following is an irrational number?

A. $\frac{\sqrt{4}}{9}$

B. $4^{-3}$

C. $-(\sqrt{3}\sqrt{3})$

D. $\frac{\sqrt{72}}{\sqrt{200}}$

E. $(\sqrt{32})^3$

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

Correct Answer: E

An irrational number is a number that cannot be expressed as a repeating or terminating decimal.

$$(\sqrt{32})^3=(\sqrt{32})(\sqrt{32})(\sqrt{32})=32\sqrt{32}=32\sqrt{16}\sqrt{2}=(32)(4)\sqrt{2}=128\sqrt{2}.\ \sqrt{2}$$

Cannot be expressed as a repeating or terminating decimal, therefore, is an irrational number.