



ASVAB-SECTION-6^{Q&As}

ASVAB Section Six : Mathematics Knowledge

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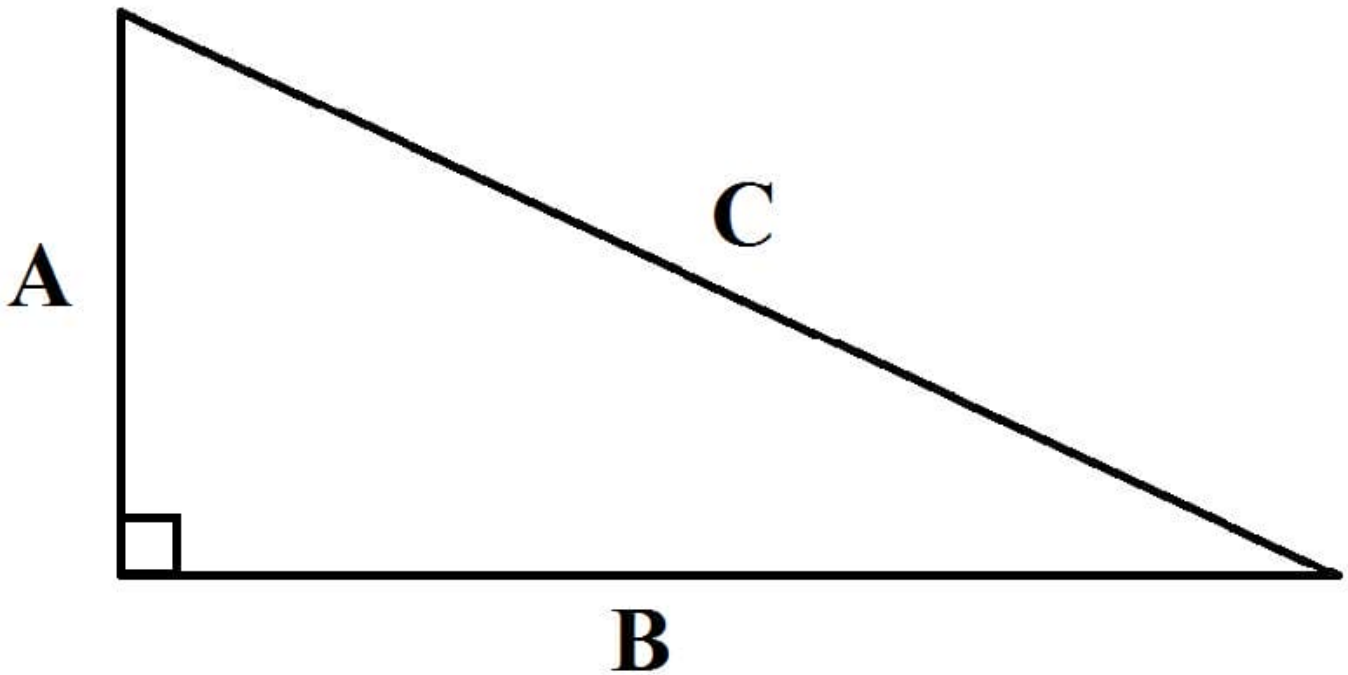
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QUESTION 1



Triangle ABC (shown above) is a(n) _____.

- A. right triangle
- B. equilateral triangle
- C. scalene triangle
- D. isosceles triangle

Correct Answer: A

Explanation:

A right triangle has one right angle (one 90-degree angle).

QUESTION 2

?-9 is an example of a(an) _____.

- A. real number
- B. imaginary number
- C. irrational number
- D. sloping number



Correct Answer: B

Explanation:

The square root of a negative number doesn't exist as far as real numbers are concerned. In mathematics, this is called an imaginary number.

QUESTION 3

$x^3 \times x^3 =$ _____.

A. x^9

B. $2x^9$

C. $2x^6$

D. x^6

Correct Answer: D

Explanation:

If two powers have the same base, the numbers can be multiplied by keeping the base and adding the powers together.

QUESTION 4

Solve the following equation. $y^3 \times y^4 =$ _____.

A. y^7

B. y^{12}

C. $2y^7$

D. $2y^{12}$

Correct Answer: A

Explanation:

When multiplying two powers with the same base, you keep the base and add the exponents.

QUESTION 5

$3(2x - 5) - 2(4x + 1) = -5(x + 3) - 2$

A. 0



B. 1

C. 2

D. 3

Correct Answer: A

Explanation: $3(2x - 5) - 2(4x + 1) = -5(x + 3) - 2(6x - 15) - 8x - 2 = -5x - 15 - 12x + 30 - 8x - 2 = -5x - 15 - 20x + 28 = -25x + 13$
 $3x = 0 \Rightarrow x = 0$

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