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ASVAB Section Six : Mathematics Knowledge

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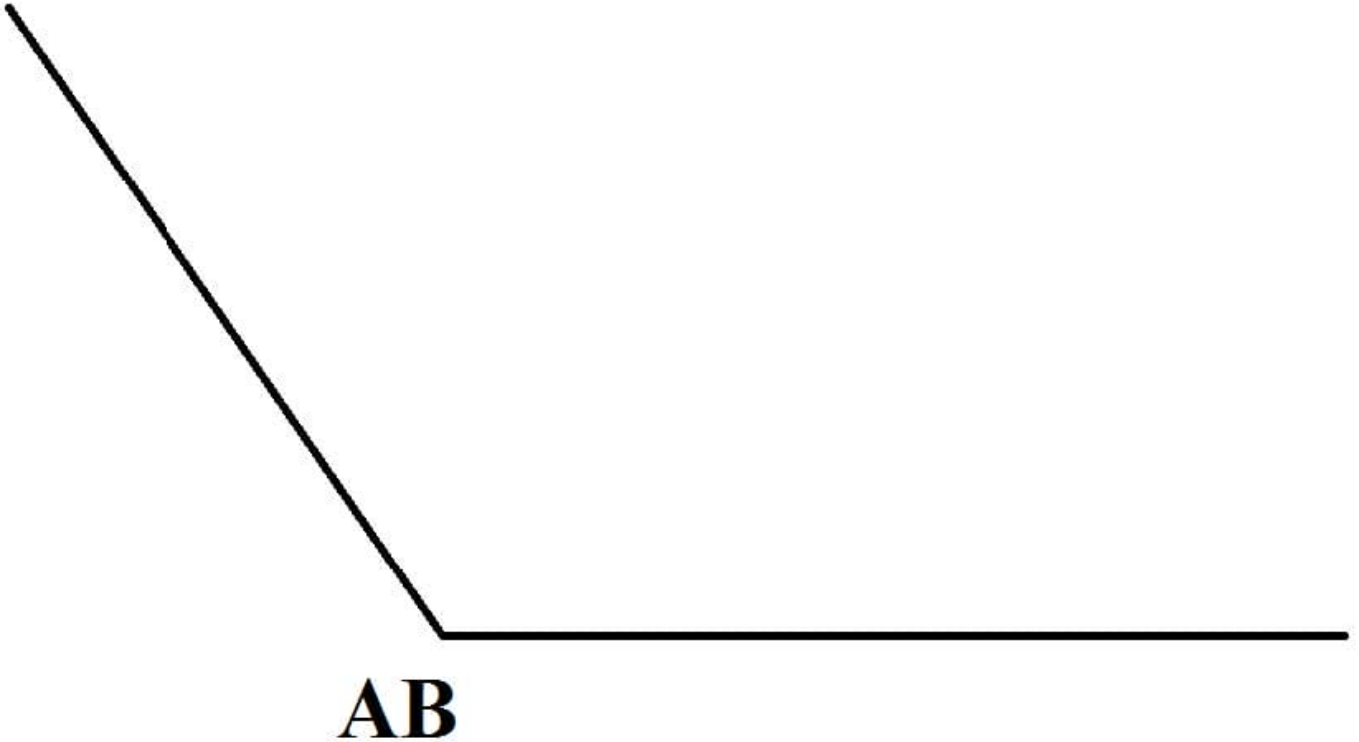Free Download Real Questions & Answers **PDF** and **VCE** file from:

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QUESTION 1

AB

Angle AB (shown above) is a(n) _____.

A. complementary angle

B. supplementary angle

C. acute angle

D. obtuse angle

Correct Answer: D

Explanation:

Angles measuring more than 90 degrees are obtuse angles.

QUESTION 2

A circle has a radius of 5 inches.

What\\'s its approximate area?

A. 78.5 inches

B. 70.0 inches

C. 314.0 inches

D. 25.0 inches

Correct Answer: A

Explanation:

The area of a circle is A = ?r2. A = ?52.

? is approximately 3.14, so 3.14 x 25 means A is approximately 78.5 inches.

QUESTION 3

?(5 + x)2 = _____.

A. 5 – x

B. 5 + x

C. ?5 – ?x

D. ?5 + ?x

Correct Answer: B

Explanation: This is so easy that it may tempt you to think that the correct answer is too obvious. The square root of (5 +x)2 is simply 5 + x.

QUESTION 4

What is the value of y when x = 1 and y = 3 + 2x?

A. 2

B. 3

C. 5

D. 17

Correct Answer: C

Explanation:

First multiply 2 x 1 and then add 3.

QUESTION 5

Solve the following equation for 7:

ay - bx = 2

A. bx + 2/a

B. 2 + bx - a

C. 2/a - bx

D. 2/a - bx

Correct Answer: A

Explanation: The given equation ay - bx=2 is to be solved for y. Isolate the y-termon one side of the equation by adding bx to both sides. ay - bx + bx = 2 + bx ay = 2 + bx y is multiplied by a. To obtain y alone, undo the multiplication by dividing both sides of the equation by a ay/a = 2 + bx/a y = 2 + bx/a

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