ASVAB-SECTION-6$^{Q\&As}$

ASVAB Section Six : Mathematics Knowledge

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QUESTION 1

The sum of the measures of the angles of a parallelogram is _____.

A. 360 degrees

B. 540 degrees

C. 180 degrees

D. 720 degrees

Correct Answer: A

Explanation:

All quadrilaterals have angles that total 360 degrees.

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

(x + 4)(x + 4) = _____.

A. $x^2 + 16x + 8$

B. $x^2 + 16x + 16$

C. $x^2 + 8x + 16$

D. $x^2 + 8x + 8$

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

Explanation: Use the FOIL method (First, Outside, Inside, Last) to solve. x2 + 4x + 4x + 4 x 4

QUESTION 4

$(x + 3)(x + 5) = $ _____.

A. $x^2 + 16x + 8$

B. $x^2 + 16x + 15$

C. $x^2 + 8x + 15$

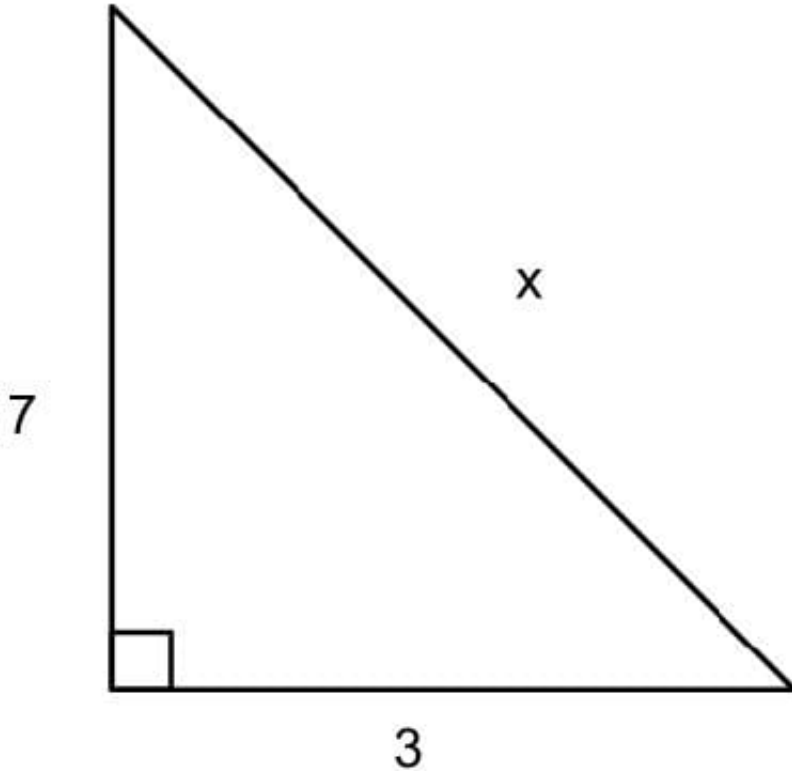D. $x^2 + 8x + 8$

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

Explanation:

Use the FOIL method (First, Outside, Inside, Last) to solve.

$x2 + 3x + 5x + 3 \times 5$

QUESTION 5

In the diagram provided, what is x?

A. 10.2893644

B. 2.333333333

C. 7.61577310586

D. 21.23947643

Correct Answer: C