



ASVAB-SECTION-6^{Q&As}

ASVAB Section Six : Mathematics Knowledge

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**QUESTION 1**

A woman has Z dollars to spend. After she spends \$500, how much money does she have left?

- A. $500 - Z$
- B. $Z + 500$
- C. $500Z$
- D. $Z - 500$

Correct Answer: D

Explanation:

You need to subtract the money that she spent (\$500) from the original money that she had (Z).

QUESTION 2

$\sqrt{49} \div \sqrt{64} = \underline{\hspace{2cm}}$.

- A. $\frac{1}{4}$
- B. $\frac{1}{2}$
- C. $\frac{1}{3}$
- D. $\frac{7}{8}$

Correct Answer: A

Explanation:

The square root of 49 is 7; the square root of 64 is 8. $7 \div 8 = \frac{7}{8}$.

QUESTION 3

What is the value of $(0.2)^3$?

- A. 0.008
- B. 0.8
- C. 0.006
- D. 0.6

Correct Answer: A

Explanation:



$(0.2)^3$ means $0.2 \times 0.2 \times 0.2$

Multiply the first two numbers:

$$0.2 \times 0.2 \times 0.2 = 0.04 \times 0.2$$

Now multiply the remaining two numbers:

$$0.04 \times 0.2 = 0.008$$

QUESTION 4

If $x = y$, $6 + 4(x - y) =$ _____.

- A. $6xy + 4$
- B. $6 + 4xy$
- C. $10x - 10y$
- D. 6

Correct Answer: D

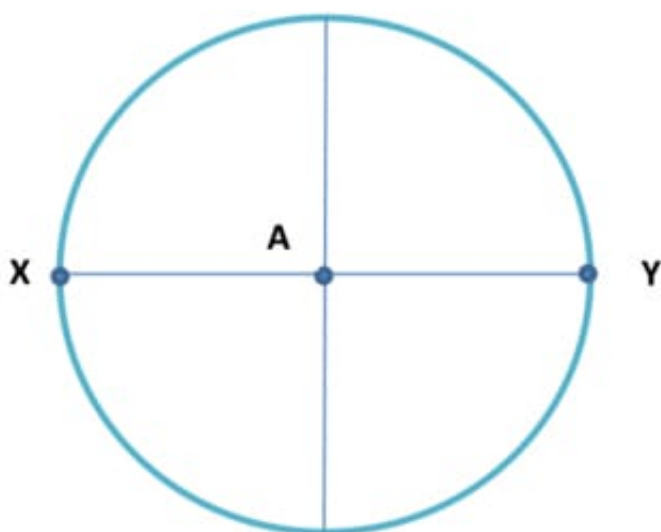
Explanation:

$$6 + 4(x - y) = 6 + 4x - 4y.$$

Because $x = y$, $4x = 4y$.

Therefore, $4x - 4y = 4x - 4x = 0$, and $6 + 0 = 6$.

QUESTION 5



What is the diameter of the circle with center at point A if the distance from point A to point Y is 7?



A. 14

B. 7

C. 21

D. 49

Correct Answer: A

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