

120 Mathematics Questions with Solutions (SSS1 to SSS3, JAMB/WAEC Standard)

1. 4. If a triangle has angles 30° , 60° , and 90° , what type of triangle is it?

- A. Equilateral
- B. Isosceles
- C. Scalene
- D. Right-angled

Solution: A triangle with a 90° angle is a right-angled triangle.

2. 2. Find the value of y if $2y - 3 = 9$.

- A. $y = 3$
- B. $y = 6$
- C. $y = 8$
- D. $y = 7$

Solution: $2y - 3 = 9$

$$2y = 9 + 3$$

$$2y = 12$$

$$y = 12 / 2$$

$$y = 6$$

3. 3. What is the value of x in the equation $x^2 - 5x + 6 = 0$?

- A. $x = 2$, $x = 3$
- B. $x = -2$, $x = -3$
- C. $x = 1$, $x = 6$
- D. $x = 0$, $x = 5$

Solution: Factor the quadratic equation: $(x - 2)(x - 3) = 0$

$$x = 2 \text{ or } x = 3$$

4. 5. Simplify: $4x - 3(2x - 5)$.

A. $2x + 15$

B. $-2x + 15$

C. $4x - 15$

D. $2x - 15$

Solution: $4x - 3(2x - 5) = 4x - 6x + 15 = -2x + 15$

5. 1. If $3x + 4 = 19$, find the value of x .

A. $x = 3$

B. $x = 5$

C. $x = 7$

D. $x = 6$

Solution: $3x + 4 = 19$

$$3x = 19 - 4$$

$$3x = 15$$

$$x = 15 / 3$$

$$x = 5$$