



QUADRATIC EQUATIONS

10 MCQs for Class 10

Choose the correct option.

$b^2 - 4ac$
(Discriminant)



1

Which of the following is a quadratic equation?

- A $x + 5 = 0$ C $\frac{1}{x} + 2 = 0$
B $x^2 - 4x + 3 = 0$ D $x^3 - 2x = 0$

6

The equation $x^2 - 4 = 0$ has roots:

- A 2, -2 B 4, 1
C -4, 1 D 0, 4

2

The roots of $x^2 - 5x + 6 = 0$ are:

- A 2, 3 B 1, 6
C -2, -3 D 0, 6

7

The nature of roots of $x^2 + 2x + 5 = 0$ is:

- A Two distinct real roots
B Equal real roots
C No real roots
D One real root

3

The sum of the roots of $x^2 - 7x + 10 = 0$ is:

- A 10 B 7
C -7 D 5

8

If one root of $x^2 - 8x + 15 = 0$ is 3, the other root is:

- A 15 B 8 C 5 D 12

4

The product of the roots of $x^2 - 9x + 20 = 0$ is:

- A 9 B 20
C -20 D 29

9

Which of the following equations has equal roots?

- A $x^2 - 6x + 9 = 0$
B $x^2 - 5x + 6 = 0$
C $x^2 - 4x + 3 = 0$
D $x^2 + x + 1 = 0$

5

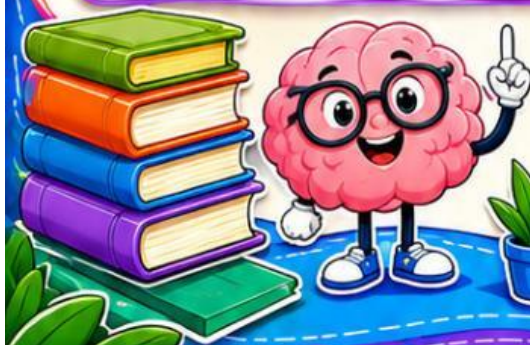
The discriminant of $x^2 - 6x + 9 = 0$ is:

- A 0 B 36 C 9 D 18

10

The roots of $2x^2 - 7x + 3 = 0$ are:

- A 3 and $\frac{1}{2}$ B 1 and 3
C 2 and 3 D $\frac{1}{2}$ and 2



Think Smart,
Solve Quadratic!

Ramaswamy Kodam



Be
Confident
You Can! 😊

LIVEWORKSHEETS